



**Caledonian**



Medium Voltage Cables

(ICEA Standard)



## Medium Voltage Cables(ICEA)

### Company Profile

Caledonian, established in 1978, offers one of the most complete lines of fiber and copper cabling system solutions with over hundreds of different cabling system products. Our superior products provide leading edge within every cable series and for every application.

Among the national and international standards with which our cables could comply are: BS-British Standard; LPCB Fire Performance Standard. ISO Standard etc. Caledonian Cables offers a comprehensive stock of cables and cabling products through its nationwide network of resellers and distributors. Caledonian Cables has continually expanded its global presence in Europe and Asia.

Caledonian & Addison, produces a wide range of cables for communication, power and electronics in its primary plants in UK, Italy and Spain. To stay in front, we continually keep expanding our manufacturing capabilities in more low cost region such as Romania, Taiwan, Malaysia etc. This low-cost manufacturing facilities enable us provide a flexible, scalable global system that delivers superior operational performance and optimal results for our customers.

Our extensive global network of manufacturing facilities gives us significant scale and the flexibility to fulfill our customer requirements. This global presence provides design and consultancy solutions that are combined with core cable manufacturing, logistic services, and vertically integrated with our E commerce technologies, to optimize customer operations by lowering costs and reducing time to market.

Caledonian & Addison has been respected for its high standards of quality, excellent service level, competitive pricing and a unique and innovative spirit. With our latest technologies, we are both inspired and well-positioned to meet the changing needs of our customers. We have the resources to diversify and to enhance our product lines and services. We understand the need for change and with our accurate planning, we are ready for the future and the promise of new marketing opportunities. Our tradition of growth through excellence is assured.

Our Design Centers work closely with customers to constantly improve its standard range of products and technologies and to develop customized, country and industry specific solutions. Caledonian & Addison has established an extensive network of design, manufacturing, and logistics facilities in the world's major markets to serve the growing outsourcing needs of both multinational and regional customers.





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# Caledonian Medium Voltage Cables

## Cable Construction

Caledonian medium voltage cables are manufactured using the monosil process. Caledonian provides the highly specialized plant, state-of-the-art research facilities and meticulous quality control procedures that is required for the manufacturing of XLPE/EPR insulated cables for use at voltages up to 46 KV. The materials are all kept in cleanliness-controlled conditions throughout the production process in order to ensure the absolute homogeneity of the finished insulation materials.

Depending on the cable's application, the medium voltage cable may have metallic shielding, armour or sheath and an overall jacket. Such cables can be directly buried, pulled into underground ducts, submerged under water or hung from an overhead messenger wire. They are robust, easy to install and readily available in most conductor sizes and voltages from 5 to 46 kV.

### Triple Extrusion

The XLPE, TR-XLPE or EPR insulated cables are produced under clean room, using the triple extrusion process in which the conductor screen, insulation and insulation screen are extruded through a single extrusion head. The surface of the insulation is never exposed to the atmosphere or to any other material other than the adjacent semi-conductive screens, ensuring the interfaces between the materials are free of air voids or contaminations.

A thin layer of semi-conducting cross-linked polyolefin is extruded over the conductor, followed by the XLPE/TR-XLPE/EPR insulation and then a strippable semi-conducting cross-linked polyolefin (XLPO) insulation shield. All three layers are extruded through a single true triple crosshead on a dry cure catenary continuous vulcanization (CCV) line.

### Conductor

Conductors may be either aluminum or copper in accordance with ASTM B 8, ICEA S-66-524. They are usually compress stranded or compact stranded, but sizes 2/0 AWG and smaller are often supplied as solid.

### Conductor Shield

Conductor shield is an extruded semi-conducting material that lies somewhere between a conductor and an insulator. It smoothes out the conductor to make it look like it has a solid smooth surface. The conductor shield provides for a smooth, radial electric field within the insulation. The materials used to form the conductor shield consists of a polymer with a high carbon black content which change the polymer from insulating to semi-conducting. When this material is extruded over the conductor, it electrically reshapes the conductor to hide or fill any rough spots, burrs, strand high points and air voids between the strand interstices. The





reduction of interface irregularities leaves a smooth round conductor surface with no sites to concentrate electrical stress. Reducing the electrical stress at the conductor / insulation interface allows for a thinner insulation than would otherwise be required. Lower electrical stress also increases cable life. No conductor or insulation shields are required for cables rated up to 2 kV. At 2kV and above a conductor shield is required by standards such as U.L., C.S.A., and I.C.E.A.

## Insulation

There are three types of insulation, namely the XLPE, TR-XLPE and EPR. XLPE insulation possess very good electrical, mechanical and thermal characteristics in medium voltage cable. XLPE is chemical resistant and cold resistant.

Usually, the XLPE insulated cables are designed with longitudinally waterproof. In comparison with PVC or paper insulated cables, XLPE insulated cables are possessing a very low dielectric factor. Tree-retardant cross-linked polyethylene (TR-XLPE) compound contains an additive that slows the growth of water trees. These additives tend to reduce the electrical properties of XLPE, slightly increase dielectric loss, and slightly lowers the initial insulation strength (but with much better insulation strength if aged).

Water tree is the main cause of deterioration for XLPE cables of 60KV or less. TR-XLPE is characterized by longer service life and lower electrical losses. EPR is characterized by better flexibility, less expansion during heating and better properties at high temperature.

## Insulation Level

Insulation level applies to what's referred to as shielded cables or cables with an insulation shield. Generally cables rated at 5 kV and higher are shielded but some at 5 kV, depending on their construction, may be unshielded.

Insulation level comes from ICEA standards S-95-658 and relates to the fault tolerant time for the system on which the cable is used.

There are two types of insulation levels with medium voltage cable. These are 100% and 133%. 100% level is used where a system fault is cleared in one minute or less. This insulation level is applicable to the great majority of cable installations which are on grounded neutral systems, where voltage rise during system faults is minimal. 133% level is used where a system fault is cleared within 1 hour. 133% is often specified when greater insulation strength (higher reliability), extra protection against surges, lightning, or water treeing is desired. This insulation level is applicable to high resistance grounded system or for ungrounded system, where the voltage rise can reach the full phase to phase voltage. These insulation levels are chosen to handle increased voltage levels that may be seen in systems when faults occur. Higher insulation levels on a cable generally means it has a thicker insulation. However the only exception to 100% vs 133% is the 5KV cables. In this case, most North American standards specify the same for both insulation levels.



## Caledonian Medium Voltage Cables

Medium voltage cables with same insulation thickness could have dual rating. For example, 5KV cable, 133% insulation level (ungrounded systems) could be rated for 8KV, 100% insulation level (grounded systems).

Generally 100% insulation level cable is used on grounded wye or star systems and 133% is used on delta systems. This is because generally a fault is cleared very quickly on a wye (ie: within a few cycles) but could persist for longer periods on a delta system.

### Insulation Shield

The insulation shield, like the conductor shield, is required in medium voltage cables rated at 2KV or above. The conductor shield provides for a smooth, radial electric field within the insulation. Industry specifications require a resistivity of below 500 Ohm-meter to adequately carry current to the metallic shield.

The semi-conducting component of an insulation shield, like the conductor shield, is an extrusion of semi-conducting material over the outer surface of the insulation. This shield controls the electrical stress within the insulation and prevents objects from disturbing the stress at the insulation's outer surface. An insulation shield is always made up of two components, an extruded semi-conducting layer over the insulation and a metallic shield over that.

The insulation shield, when correctly grounded, will confine the electric field within the cable, equalize voltage stress within insulation, minimize any surface discharge, protect the cable from induced potential, limit electromagnetic and electrostatic interference on the adjacent systems, and lastly reduce any shock hazard in the vicinity of the cables.

When a power cable is referred to as shielded it means that it has an insulation shield. One very important aspect of the insulation shield is its degree of strippability. The insulation shield must be easily removable in order to be terminated and spliced. The extruded semi-conducting material used for insulation shields is slightly different than that used for conductor shielding.

Conductor shields bond to the insulation and are inseparable, where the insulation shield is co-extruded with the insulation and crosslinked to its surface. Most insulation shields are based on EVA polymers that have high enough polarity that even though crosslinked to the insulation, do not mix with and bond permanently to it.

Basically the metallic component of an insulation shield is there to bridge or lower the resistance of the semi-conducting layer. The metallic shield provides a path for the flow of charging current and a path for the flow of fault current. If the metallic shield is of sufficient size and conductivity, it can provide a path for the return current and thereby acts as a system neutral. There are a number of designs of metallic shields including the round wire, flat strip, copper tape helically applied with overlap or longitudinally applied corrugated copper tape. Some of which are detailed below.



## Metallic Shield

### Concentric Neutral - helically applied

The concentric neutral conductors of medium to high voltage cables are formed as wire or tape braids wrapped helically over the semi-conductive insulation shield of such cable. These wires act as the metallic component of the shield and the neutral, at the same time. The neutral conductors are intended to provide a return circuit for load currents and to maintain the shield at ground potential to prevent injury to persons coming in contact with the cable. The concentric neutral wires may be either bare or tinned copper (from #6 to #9AWG) helically applied. For single-phase systems, the conductance of the neutral is equivalent to that of the phase conductor. For three-phase systems, it is typically 1/3 but can be made with 1/6, 1/12, etc. neutrals.

### Copper Tape – helically wrapped

Helically wrapped copper tape have been a medium voltage standard for years. Wrapping design can improve performance. For electrostatic shielding of the underlying cable core, one or more 5 mil copper tapes are applied helically with gaps or overlap over the extruded insulation shield. The overlap of the tape windings is a key design feature in helical tape construction. Although the ICEA recommends a minimum tape overlap of 10%, an overlap of 25% delivers better performance. Extra overlap delivers increased short circuit capacity and better mechanical reliability. Tape shields may not always have sufficient fault current capability for protective relaying purposes. The cable is characterized by low short circuit capacity, providing good electrostatic shield. If grounded both ends, conductor current derating is small.

### Wire Shield- helically applied

The wire shield delivers the same performance as copper tape. This is characterized by same short circuit and ampacity derating as copper tape. The wire shield may be either bare or tinned copper (from #22 to #18AWG) helically applied.

## L.C. Shield

A transversely corrugated copper tape is longitudinally applied with a small overlap along the axis of the cable. A bridging tape is applied at the overlap. This design offers greater short circuit capability than helically applied tapes and reduced shield loss when compared to the concentric neutral construction. The sealed overlap of the shield is effective in impeding moisture ingress into the insulation system. This cable type is used on large single conductor sized utility and industrial cables.

This cable type provides good electrostatic shield, a moisture barrier when longitudinal overlap is sealed, and accommodates the expansion and contraction of the cable during



# Caledonian Medium Voltage Cables

thermal cycling. The short circuit level and conductor current derating of this cable type lies between copper tape shield and concentric neutral cables. Due to the 100% core coverage and superior heat dissipation characteristics, the entire LC shield offers the most effective means of providing fault current a low resistance path to ground during fault conditions. By contrast, the concentric neutral shield usually takes the fault to ground by using some of the wires around the cable circumference. Most of the other wires remain unused.

## Metal Sheaths

The metal sheath is an interlocked metal tape made of lead or aluminium, a corrugated metal tube or a smooth metal tube. A metal moisture barrier such as an extruded lead sheath or a welded corrosion resistant sheath is the most secure design for the medium voltage cables and will ensure a life expectancy of 60 years as compared to other cable design.

This cable type provides good electrostatic shield, a moisture barrier when longitudinal overlap is sealed. The short circuit level and conductor current derating of this cable type is high if grounded at both ends as compared to other shielding types. The only drawback of this cable design is the difficulty to splice or terminate for this cable type.

## Jacket

Jackets are available in a number of different compounds for specific requirements. Jacket type include Polyvinyl chloride (PVC), Polyethylene (LLDPE, MDPE, HDPE), Polypropylene (PP), Neoprene, Hypalon, thermoplastic chlorinated polyethylene (CPE), FRPVC and LSZH. The PVC jacket is mechanically rugged and has excellent resistance to oil, acids and most chemicals. The standard jacket on concentric neutral cables is low-density polyethylene (LLDPE). It prevents longitudinal ingress of water between the concentric neutral wires if the jacket is damaged. The jacket also provides mechanical protection during installation and inhibits corrosion of the concentric neutral wires or metallic shield. If fire is a concern, a FRPVC or LSZH jacket should be used. It is not quite as tough as polyethylene, but has superior flame retardance. Where required for identification of power cables in shared underground systems, three extruded red stripes can be provided on the cable jacket.







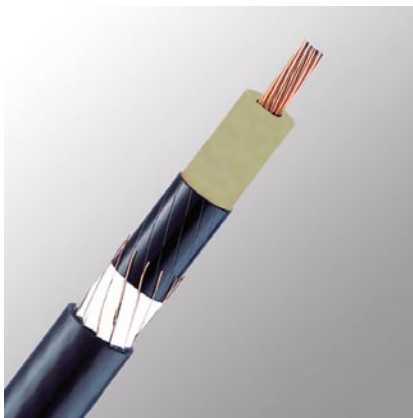
## SINGLE CORE CABLES

### Description

The single core cables are designed for distribution of electrical power with nominal voltage  $U_o/U$  ranging from 5KV to 46KV and frequency 50Hz. Single core cables are made of stranded copper or aluminium conductor, triple extruding insulating system consisting of thermosetting semi-conducting conductor shield, XLPE/TR-XLPE/EPR insulation and thermosetting semi-conducting insulation shield. There are a number of designs of metallic shields including the copper tape helically applied with overlap, copper wire shield, concentric neutral, longitudinally applied corrugated copper tape and metal sheath available, which are surrounded with fillers and grounding conductor, overall binder tape and overall PVC, LSZH or PE jacket.

### Standards

National Fire Protection Standard (NEPA 70): National Electric Code  
AIEC CS8  
ICEA S-93-639 (NEMA WC74), Standard for shielded power cable 5KV-46KV  
ICEA S-97-682  
IEEE 1202 – Flame Testing of cables for use in cable tray  
ICEA T29-520 Vertical  
UL 1072 for medium voltage cables.



### Conductors

The conductor consists of uncoated Class B compressed concentric stranded aluminium alloy 1350 or soft drawn annealed copper meeting the requirement of ASTM B3. Unless otherwise specified, the conductor shall be supplied class B as per ASTM B496.

### Conductor Shield

Conductor shield consists of extruded thermosetting semi conducting compound which is free stripping from conductor and bonded to the insulation.



# Caledonian Medium Voltage Cables

## Insulation

The insulation is either XLPE or EPR extruded concentrically over the conductor. High dielectric strength tree retardant XLPE (TR-XLPE) can be offered as option to provide an optimum balance of mechanical and electrical properties, insuring resistance to treeing. 100% or 133% insulation level is available upon request. The insulation meets or exceeds electrical and physical requirements of ICEA S-96-659/NEMA WC71, and UL 1072.

## Insulation Shield

Insulation shield consists of extruded thermosetting semi-conducting compound with controlled adhesion to the insulation, providing required balance between electrical integrity and ease of stripping.

## Metallic Shielding

### 1) Copper Tape

For Copper tape shield, helically bare 5 mil copper tape shield over the insulation shield with minimum overlap of 20%. There are grounding conductor made of bare stranded copper conductor per each interstices, per UL, ICEA and AST

### 2) Wire Shield

Bare copper wire shield is evenly spaced with 5000 circular mils minimum per inch of core diameter. The shield insures a reliable shield that can be easily terminated.

### 3) Concentric Neutral

Either bare or tinned copper wire (#6 to #9AWG) is helically applied around the cores.

## Assembly

Cables are cabled together with a left hand lay and suitable filler to make the cable round. A binder tape is applied to maintain core geometry and mechanical stability. Fillers may be PP yarn, ramie yarn, plastics or other filler material.

## Armour (optional)

For armouring options, inner PVC jacket is applied over the binder type. Corrugated aluminium interlocking armour (AIA) is applied over the inner jacket.

## Jacket

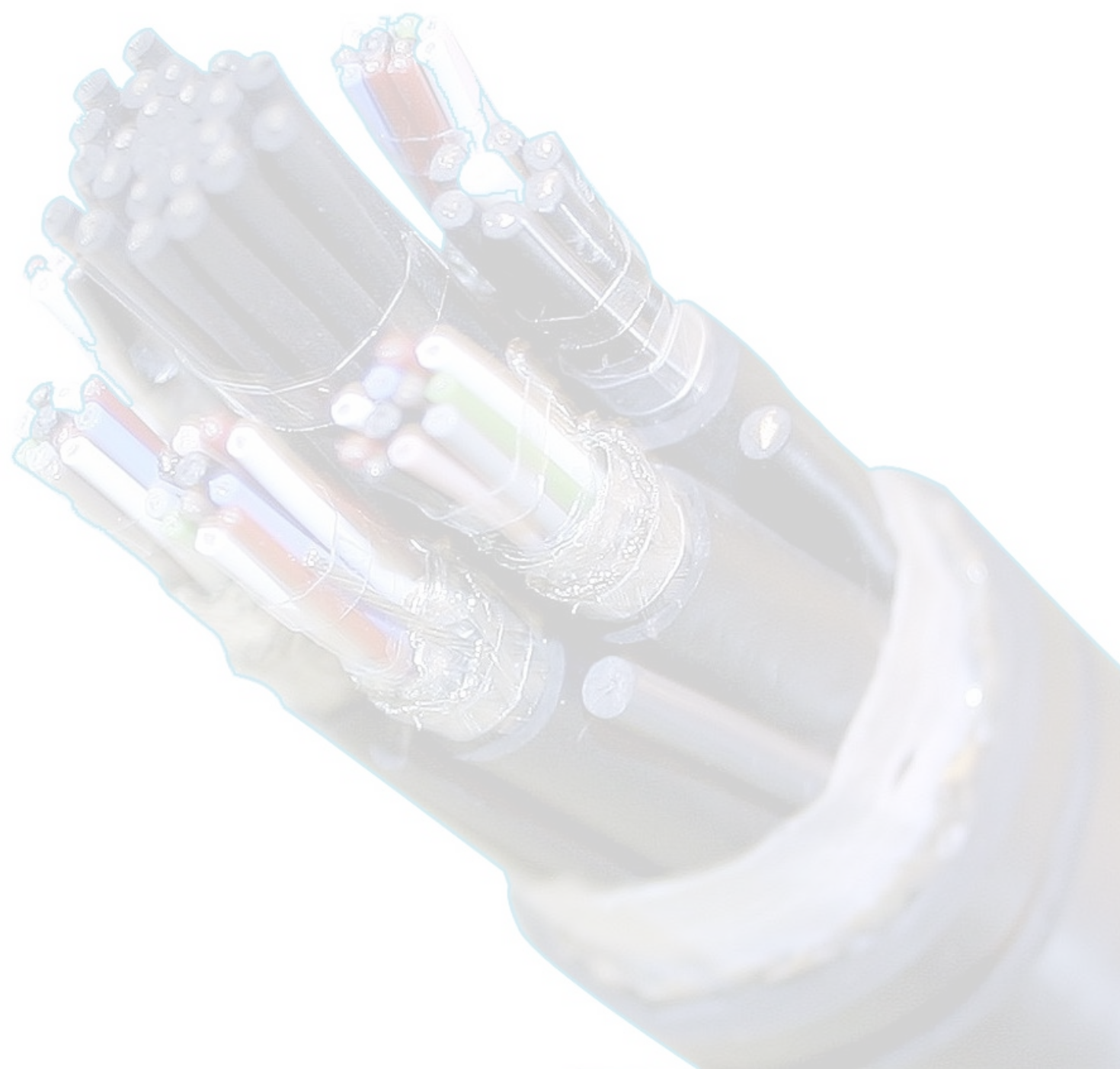
A protective sunlight and ozone resistant jacket of PVC is extruded for a tight fit over the welded armour or the core assembly.

# Addison Medium Voltage Cables



## Options

- TR-XLPE insulation.
- Compact stranded conductor.
- Super smooth conductor shield.
- Zero or one grounding conductor.
- CPE, LLLPE, LSOH or low temperature PVC jacket.
- Oil resistant jacket.





# Caledonian Medium Voltage Cables

## XLPE INSULATED CABLES MV-90

### Wire Shielded Cables

| 5kV 100% to ICEA Standard |                                   |                               |                              |      |                                   |      |      |      |                 |     |             |     |
|---------------------------|-----------------------------------|-------------------------------|------------------------------|------|-----------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                 | Insulation Thickness<br>(mm/mils) | Sheath Thickness<br>(mm/mils) | Overall Diameter<br>(mm/in.) |      | Cable Weight<br>(kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                           |                                   |                               |                              |      |                                   |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                           |                                   |                               | (D)                          |      | CU                                |      | AL   |      | CU              | AL  | CU          | AL  |
| 4 AWG                     | 2.29/90                           | 1.52/60                       | 17.5                         | 0.69 | 430                               | 289  | 299  | 201  | 110             | 86  | 145         | 115 |
| 2 AWG                     | 2.29/90                           | 1.52/60                       | 18.8                         | 0.74 | 573                               | 385  | 366  | 246  | 145             | 115 | 190         | 150 |
| 1 AWG                     | 2.29/90                           | 1.52/60                       | 19.8                         | 0.78 | 670                               | 450  | 406  | 273  | 170             | 130 | 225         | 175 |
| 1/0 AWG                   | 2.29/90                           | 1.52/60                       | 20.8                         | 0.82 | 792                               | 532  | 460  | 309  | 195             | 150 | 260         | 200 |
| 2/0 AWG                   | 2.29/90                           | 1.52/60                       | 23.1                         | 0.91 | 989                               | 665  | 571  | 384  | 220             | 170 | 300         | 230 |
| 3/0 AWG                   | 2.29/90                           | 2.03/80                       | 24.6                         | 0.97 | 1178                              | 792  | 652  | 438  | 250             | 195 | 345         | 270 |
| 4/0 AWG                   | 2.29/90                           | 2.03/80                       | 25.9                         | 1.02 | 1409                              | 947  | 744  | 500  | 290             | 225 | 400         | 310 |
| 250 MCM                   | 2.29/90                           | 2.03/80                       | 27.2                         | 1.07 | 1613                              | 1084 | 829  | 557  | 320             | 250 | 445         | 345 |
| 350 MCM                   | 2.29/90                           | 2.03/80                       | 29.7                         | 1.17 | 2129                              | 1431 | 1031 | 693  | 385             | 305 | 550         | 430 |
| 500 MCM                   | 2.29/90                           | 2.03/80                       | 33.5                         | 1.32 | 2913                              | 1958 | 1345 | 904  | 470             | 370 | 695         | 545 |
| 750 MCM                   | 2.29/90                           | 2.03/80                       | 38.6                         | 1.52 | 4187                              | 2814 | 1821 | 1224 | 585             | 470 | 900         | 710 |
| 1000 MCM                  | 2.29/90                           | 2.03/80                       | 42.4                         | 1.67 | 5426                              | 3647 | 2267 | 1524 | 670             | 545 | 1075        | 855 |
| 5kV 133% to ICEA Standard |                                   |                               |                              |      |                                   |      |      |      |                 |     |             |     |
| 4 AWG                     | 2.92/115                          | 1.52/60                       | 18.8                         | 0.74 | 464                               | 312  | 335  | 225  | 120             | 86  | 110         | 115 |
| 2 AWG                     | 2.92/115                          | 1.52/60                       | 20.1                         | 0.79 | 611                               | 411  | 405  | 272  | 155             | 115 | 145         | 150 |
| 1 AWG                     | 2.92/115                          | 1.52/60                       | 21.1                         | 0.83 | 711                               | 478  | 448  | 301  | 180             | 130 | 170         | 175 |
| 1/0 AWG                   | 2.92/115                          | 1.52/60                       | 23.1                         | 0.91 | 884                               | 594  | 552  | 371  | 210             | 150 | 200         | 200 |
| 2/0 AWG                   | 2.92/115                          | 1.52/60                       | 24.6                         | 0.97 | 1038                              | 698  | 620  | 417  | 235             | 170 | 225         | 230 |
| 3/0 AWG                   | 2.92/115                          | 2.03/80                       | 25.7                         | 1.01 | 1226                              | 824  | 698  | 469  | 270             | 195 | 270         | 270 |
| 4/0 AWG                   | 2.92/115                          | 2.03/80                       | 27.2                         | 1.07 | 1461                              | 982  | 797  | 536  | 310             | 225 | 305         | 310 |
| 250 MCM                   | 2.92/115                          | 2.03/80                       | 28.4                         | 1.12 | 1669                              | 1122 | 884  | 594  | 345             | 250 | 355         | 345 |
| 350 MCM                   | 2.92/115                          | 2.03/80                       | 31.2                         | 1.23 | 2192                              | 1473 | 1094 | 735  | 415             | 305 | 430         | 430 |
| 500 MCM                   | 2.92/115                          | 2.03/80                       | 35.1                         | 1.38 | 2983                              | 2005 | 1413 | 950  | 505             | 370 | 530         | 545 |
| 750 MCM                   | 2.92/115                          | 2.03/80                       | 39.9                         | 1.57 | 4261                              | 2864 | 1895 | 1274 | 630             | 470 | 665         | 710 |
| 1000 MCM                  | 2.92/115                          | 2.03/80                       | 45.2                         | 1.78 | 5654                              | 3800 | 2495 | 1677 | 720             | 545 | 770         | 855 |



# Addison Medium Voltage Cables



| 15kV 100% to ICEA Standard |                                 |                             |                             |      |                                |      |      |      |                 |     |             |     |
|----------------------------|---------------------------------|-----------------------------|-----------------------------|------|--------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                  | Insulation Thickness (mm/ mils) | Sheath Thickness (mm/ mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                            |                                 |                             |                             |      |                                |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                            |                                 |                             | (D)                         |      | CU                             |      | AL   |      | CU              | AL  | CU          | AL  |
| 2 AWG                      | 4.45/175                        | 2.03/80                     | 24.6                        | 0.97 | 769                            | 517  | 562  | 378  | 165             | 130 | 165         | 130 |
| 1 AWG                      | 4.45/175                        | 2.03/80                     | 25.1                        | 0.99 | 872                            | 586  | 610  | 410  | 185             | 145 | 190         | 150 |
| 1/0 AWG                    | 4.45/175                        | 2.03/80                     | 26.2                        | 1.03 | 1003                           | 674  | 671  | 451  | 215             | 165 | 215         | 170 |
| 2/0 AWG                    | 4.45/175                        | 2.03/80                     | 27.4                        | 1.08 | 1159                           | 779  | 741  | 498  | 245             | 190 | 255         | 200 |
| 3/0 AWG                    | 4.45/175                        | 2.03/80                     | 28.7                        | 1.13 | 1355                           | 911  | 829  | 557  | 275             | 215 | 290         | 225 |
| 4/0 AWG                    | 4.45/175                        | 2.03/80                     | 30.2                        | 1.19 | 1596                           | 1073 | 931  | 626  | 315             | 245 | 330         | 260 |
| 250 MCM                    | 4.45/175                        | 2.03/80                     | 31.8                        | 1.25 | 1812                           | 1218 | 1027 | 690  | 345             | 270 | 365         | 290 |
| 350 MCM                    | 4.45/175                        | 2.03/80                     | 34.8                        | 1.37 | 2369                           | 1592 | 1271 | 854  | 415             | 330 | 440         | 350 |
| 500 MCM                    | 4.45/175                        | 2.03/80                     | 38.1                        | 1.50 | 3153                           | 2119 | 1583 | 1064 | 500             | 400 | 535         | 430 |
| 750 MCM                    | 4.45/175                        | 2.03/80                     | 42.9                        | 1.69 | 4452                           | 2992 | 2086 | 1402 | 610             | 490 | 655         | 540 |
| 1000 MCM                   | 4.45/175                        | 2.79/110                    | 48.8                        | 1.92 | 5910                           | 3972 | 2752 | 1850 | 690             | 565 | 755         | 640 |
| 15kV 133% to ICEA Standard |                                 |                             |                             |      |                                |      |      |      |                 |     |             |     |
| 2 AWG                      | 5.59/220                        | 2.03/80                     | 26.4                        | 1.04 | 858                            | 577  | 652  | 438  | 165             | 130 | 165         | 130 |
| 1 AWG                      | 5.59/220                        | 2.03/80                     | 27.4                        | 1.08 | 966                            | 649  | 704  | 473  | 185             | 145 | 190         | 150 |
| 1/0 AWG                    | 5.59/220                        | 2.03/80                     | 28.4                        | 1.12 | 1101                           | 740  | 769  | 517  | 215             | 165 | 215         | 170 |
| 2/0 AWG                    | 5.59/220                        | 2.03/80                     | 29.7                        | 1.17 | 1262                           | 848  | 844  | 567  | 245             | 190 | 255         | 200 |
| 3/0 AWG                    | 5.59/220                        | 2.03/80                     | 31.2                        | 1.23 | 1463                           | 983  | 936  | 629  | 275             | 215 | 290         | 225 |
| 4/0 AWG                    | 5.59/220                        | 2.03/80                     | 32.5                        | 1.28 | 1708                           | 1148 | 1044 | 702  | 315             | 245 | 330         | 260 |
| 250 MCM                    | 5.59/220                        | 2.03/80                     | 34.0                        | 1.34 | 1949                           | 1310 | 1163 | 782  | 345             | 270 | 365         | 290 |
| 350 MCM                    | 5.59/220                        | 2.03/80                     | 37.1                        | 1.46 | 2495                           | 1677 | 1397 | 939  | 415             | 330 | 440         | 350 |
| 500 MCM                    | 5.59/220                        | 2.03/80                     | 40.4                        | 1.59 | 3290                           | 2211 | 1720 | 1156 | 500             | 400 | 535         | 430 |
| 750 MCM                    | 5.59/220                        | 2.03/80                     | 47.0                        | 1.85 | 4759                           | 3199 | 2394 | 1609 | 610             | 490 | 655         | 540 |
| 1000 MCM                   | 5.59/220                        | 2.79/110                    | 50.8                        | 2.00 | 6081                           | 4087 | 2924 | 1965 | 690             | 565 | 755         | 640 |



## Caledonian Medium Voltage Cables

| 25kV 100% to ICEA Standard |                                |                            |                             |      |                                |      |      |      |                 |     |             |     |
|----------------------------|--------------------------------|----------------------------|-----------------------------|------|--------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                  | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                            |                                |                            |                             |      |                                |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                            |                                |                            | (D)                         |      | CU                             |      | AL   |      | CU              | AL  | CU          | AL  |
| 1 AWG                      | 6.60/260                       | 2.03/80                    | 29.5                        | 1.16 | 1056                           | 710  | 794  | 534  | 185             | 135 | 190         | 175 |
| 1/0 AWG                    | 6.60/260                       | 2.03/80                    | 31.0                        | 1.22 | 1196                           | 804  | 864  | 581  | 215             | 155 | 215         | 200 |
| 2/0 AWG                    | 6.60/260                       | 2.03/80                    | 31.8                        | 1.25 | 1357                           | 912  | 939  | 631  | 245             | 175 | 255         | 230 |
| 3/0 AWG                    | 6.60/260                       | 2.03/80                    | 33.3                        | 1.31 | 1586                           | 1066 | 1058 | 711  | 275             | 200 | 290         | 270 |
| 4/0 AWG                    | 6.60/260                       | 2.03/80                    | 34.8                        | 1.37 | 1839                           | 1236 | 1174 | 789  | 315             | 230 | 330         | 310 |
| 250 MCM                    | 6.60/260                       | 2.03/80                    | 36.1                        | 1.42 | 2059                           | 1384 | 1274 | 856  | 345             | 250 | 365         | 345 |
| 350 MCM                    | 6.60/260                       | 2.03/80                    | 39.1                        | 1.54 | 2614                           | 1757 | 1516 | 1019 | 415             | 305 | 440         | 430 |
| 500 MCM                    | 6.60/260                       | 2.03/80                    | 42.4                        | 1.67 | 3417                           | 2297 | 1848 | 1242 | 500             | 370 | 535         | 530 |
| 750 MCM                    | 6.60/260                       | 2.79/110                   | 49.0                        | 1.93 | 4937                           | 3318 | 2571 | 1728 | 610             | 455 | 655         | 685 |
| 1000 MCM                   | 6.60/260                       | 2.79/110                   | 53.1                        | 2.09 | 6244                           | 4197 | 3087 | 2075 | 690             | 525 | 755         | 825 |
| 25kV 133% to ICEA Standard |                                |                            |                             |      |                                |      |      |      |                 |     |             |     |
| 1/0 AWG                    | 8.76/345                       | 2.03/80                    | 35.3                        | 1.39 | 1443                           | 970  | 1111 | 747  | 215             | 155 | 215         | 200 |
| 2/0 AWG                    | 8.76/345                       | 2.03/80                    | 37.1                        | 1.46 | 1620                           | 1089 | 1202 | 808  | 245             | 175 | 255         | 230 |
| 3/0 AWG                    | 8.76/345                       | 2.03/80                    | 38.1                        | 1.50 | 1830                           | 1230 | 1302 | 875  | 275             | 200 | 290         | 270 |
| 4/0 AWG                    | 8.76/345                       | 2.03/80                    | 39.6                        | 1.56 | 2093                           | 1407 | 1428 | 960  | 315             | 230 | 330         | 310 |
| 250 MCM                    | 8.76/345                       | 2.03/80                    | 40.9                        | 1.61 | 2321                           | 1560 | 1537 | 1033 | 345             | 250 | 365         | 345 |
| 350 MCM                    | 8.76/345                       | 2.03/80                    | 45.0                        | 1.77 | 3035                           | 2040 | 1937 | 1302 | 415             | 305 | 440         | 430 |
| 500 MCM                    | 8.76/345                       | 2.03/80                    | 49.0                        | 1.93 | 3910                           | 2628 | 2340 | 1573 | 500             | 370 | 535         | 530 |
| 750 MCM                    | 8.76/345                       | 2.79/110                   | 53.8                        | 2.12 | 5286                           | 3553 | 2922 | 1964 | 610             | 455 | 655         | 685 |
| 1000 MCM                   | 8.76/345                       | 2.79/110                   | 57.7                        | 2.27 | 6615                           | 4446 | 3458 | 2324 | 690             | 525 | 755         | 825 |

# Addison Medium Voltage Cables



| 35kV 100% to ICEA Standard |                                |                            |                             |      |                                |      |      |      |                 |     |             |     |
|----------------------------|--------------------------------|----------------------------|-----------------------------|------|--------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                  | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                            |                                |                            |                             |      |                                |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                            |                                |                            | (D)                         |      | CU                             |      | AL   |      | CU              | AL  | CU          | AL  |
| 1/0 AWG                    | 8.76/345                       | 2.03/80                    | 35.3                        | 1.39 | 1443                           | 970  | 1111 | 747  | 215             | 165 | 215         | 170 |
| 2/0 AWG                    | 8.76/345                       | 2.03/80                    | 37.1                        | 1.46 | 1620                           | 1089 | 1202 | 808  | 245             | 190 | 255         | 200 |
| 3/0 AWG                    | 8.76/345                       | 2.03/80                    | 38.1                        | 1.50 | 1830                           | 1230 | 1302 | 875  | 275             | 215 | 290         | 225 |
| 4/0 AWG                    | 8.76/345                       | 2.03/80                    | 39.6                        | 1.56 | 2093                           | 1407 | 1428 | 960  | 315             | 245 | 330         | 260 |
| 250 MCM                    | 8.76/345                       | 2.03/80                    | 40.9                        | 1.61 | 2321                           | 1560 | 1537 | 1033 | 345             | 270 | 365         | 290 |
| 350 MCM                    | 8.76/345                       | 2.03/80                    | 45.0                        | 1.77 | 3035                           | 2040 | 1937 | 1302 | 415             | 330 | 440         | 350 |
| 500 MCM                    | 8.76/345                       | 2.79/110                   | 49.0                        | 1.93 | 3910                           | 2628 | 2340 | 1573 | 500             | 400 | 535         | 430 |
| 750 MCM                    | 8.76/345                       | 2.79/110                   | 53.8                        | 2.12 | 5286                           | 3553 | 2922 | 1964 | 610             | 490 | 655         | 540 |
| 1000 MCM                   | 8.76/345                       | 2.79/110                   | 57.7                        | 2.27 | 6615                           | 4446 | 3458 | 2324 | 690             | 565 | 755         | 640 |
| 35kV 133% to ICEA Standard |                                |                            |                             |      |                                |      |      |      |                 |     |             |     |
| 1/0 AWG                    | 10.67/420                      | 2.03/80                    | 39.6                        | 1.56 | 1671                           | 1123 | 1339 | 900  | 215             | 165 | 215         | 170 |
| 2/0 AWG                    | 10.67/420                      | 2.03/80                    | 40.6                        | 1.60 | 1848                           | 1242 | 1430 | 961  | 245             | 190 | 255         | 200 |
| 3/0 AWG                    | 10.67/420                      | 2.03/80                    | 42.4                        | 1.67 | 2070                           | 1391 | 1543 | 1037 | 275             | 215 | 290         | 225 |
| 4/0 AWG                    | 10.67/420                      | 2.03/80                    | 45.0                        | 1.77 | 2483                           | 1669 | 1820 | 1223 | 315             | 245 | 330         | 260 |
| 250 MCM                    | 10.67/420                      | 2.03/80                    | 46.2                        | 1.82 | 2724                           | 1831 | 1940 | 1304 | 345             | 270 | 365         | 290 |
| 350 MCM                    | 10.67/420                      | 2.79/110                   | 49.3                        | 1.94 | 3352                           | 2253 | 2253 | 1514 | 415             | 330 | 440         | 350 |
| 500 MCM                    | 10.67/420                      | 2.79/110                   | 52.6                        | 2.07 | 4208                           | 2828 | 2639 | 1774 | 500             | 400 | 535         | 430 |
| 750 MCM                    | 10.67/420                      | 2.79/110                   | 57.7                        | 2.27 | 5618                           | 3776 | 3252 | 2186 | 610             | 490 | 655         | 540 |
| 1000 MCM                   | 10.67/420                      | 2.79/110                   | 61.5                        | 2.42 | 6967                           | 4683 | 3810 | 2561 | 690             | 565 | 755         | 640 |



# Caledonian Medium Voltage Cables

## Tape Shielded Cables

| 5kV 100% to ICEA Standard |                                |                            |                           |      |                                |      |      |      |                 |     |             |     |
|---------------------------|--------------------------------|----------------------------|---------------------------|------|--------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                 | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm/in.) |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                           |                                |                            |                           |      |                                |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                           |                                |                            | (D)                       |      | CU                             |      | AL   |      | CU              | AL  | CU          | AL  |
| 4 AWG                     | 2.29/90                        | 1.52/60                    | 16.5                      | 0.65 | 466                            | 313  | 299  | 201  | 120             | 86  | 110         | 115 |
| 2 AWG                     | 2.29/90                        | 1.52/60                    | 18.0                      | 0.71 | 613                            | 412  | 366  | 246  | 155             | 115 | 145         | 150 |
| 1 AWG                     | 2.29/90                        | 1.52/60                    | 19.1                      | 0.75 | 713                            | 479  | 406  | 273  | 180             | 130 | 175         | 175 |
| 1/0 AWG                   | 2.29/90                        | 1.52/60                    | 20.1                      | 0.79 | 838                            | 563  | 460  | 309  | 210             | 150 | 200         | 200 |
| 2/0 AWG                   | 2.29/90                        | 1.52/60                    | 21.1                      | 0.83 | 991                            | 666  | 571  | 384  | 235             | 170 | 225         | 230 |
| 3/0 AWG                   | 2.29/90                        | 2.03/80                    | 23.4                      | 0.92 | 1229                           | 826  | 652  | 438  | 270             | 195 | 270         | 270 |
| 4/0 AWG                   | 2.29/90                        | 2.03/80                    | 24.9                      | 0.98 | 1467                           | 986  | 744  | 500  | 310             | 225 | 305         | 310 |
| 250 MCM                   | 2.29/90                        | 2.03/80                    | 26.2                      | 1.03 | 1677                           | 1127 | 829  | 557  | 345             | 250 | 355         | 345 |
| 350 MCM                   | 2.29/90                        | 2.03/80                    | 29.0                      | 1.14 | 2200                           | 1479 | 1031 | 693  | 415             | 305 | 430         | 430 |
| 500 MCM                   | 2.29/90                        | 2.03/80                    | 32.5                      | 1.28 | 2998                           | 2015 | 1345 | 904  | 505             | 370 | 530         | 545 |
| 750 MCM                   | 2.29/90                        | 2.03/80                    | 37.3                      | 1.47 | 4282                           | 2878 | 1821 | 1224 | 630             | 470 | 665         | 710 |
| 1000 MCM                  | 2.29/90                        | 2.03/80                    | 41.1                      | 1.62 | 5533                           | 3719 | 2267 | 1524 | 720             | 545 | 770         | 855 |
| 5kV 133% to ICEA Standard |                                |                            |                           |      |                                |      |      |      |                 |     |             |     |
| 4 AWG                     | 2.92/115                       | 1.52/60                    | 17.8                      | 0.70 | 506                            | 340  | 335  | 225  | 120             | 86  | 110         | 115 |
| 2 AWG                     | 2.92/115                       | 1.52/60                    | 19.3                      | 0.76 | 656                            | 441  | 405  | 272  | 155             | 115 | 145         | 150 |
| 1 AWG                     | 2.92/115                       | 1.52/60                    | 20.3                      | 0.80 | 759                            | 510  | 448  | 301  | 180             | 130 | 175         | 175 |
| 1/0 AWG                   | 2.92/115                       | 1.52/60                    | 21.3                      | 0.84 | 885                            | 595  | 552  | 371  | 210             | 150 | 200         | 200 |
| 2/0 AWG                   | 2.92/115                       | 1.52/60                    | 23.4                      | 0.92 | 1091                           | 733  | 620  | 417  | 235             | 170 | 225         | 230 |
| 3/0 AWG                   | 2.92/115                       | 2.03/80                    | 24.6                      | 0.97 | 1284                           | 863  | 698  | 469  | 270             | 195 | 270         | 270 |
| 4/0 AWG                   | 2.92/115                       | 2.03/80                    | 26.2                      | 1.03 | 1525                           | 1025 | 797  | 536  | 310             | 225 | 305         | 310 |
| 250 MCM                   | 2.92/115                       | 2.03/80                    | 27.4                      | 1.08 | 1735                           | 1166 | 884  | 594  | 345             | 250 | 355         | 345 |
| 350 MCM                   | 2.92/115                       | 2.03/80                    | 30.2                      | 1.19 | 2264                           | 1522 | 1094 | 735  | 415             | 305 | 430         | 430 |
| 500 MCM                   | 2.92/115                       | 2.03/80                    | 33.8                      | 1.33 | 3068                           | 2062 | 1413 | 950  | 505             | 370 | 530         | 545 |
| 750 MCM                   | 2.92/115                       | 2.03/80                    | 38.6                      | 1.52 | 4361                           | 2931 | 1895 | 1274 | 630             | 470 | 665         | 710 |
| 1000 MCM                  | 2.92/115                       | 2.03/80                    | 42.4                      | 1.67 | 5621                           | 3778 | 2495 | 1677 | 720             | 545 | 770         | 855 |

# Addison Medium Voltage Cables



| 8kV 100% to ICEA Standard |                                |                            |                           |      |                                |      |      |      |                 |     |             |     |
|---------------------------|--------------------------------|----------------------------|---------------------------|------|--------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                 | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm/in.) |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                           |                                |                            |                           |      |                                |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                           |                                |                            | (D)                       |      | CU                             |      | AL   |      | CU              | AL  | CU          | AL  |
| 4 AWG                     | 2.92/115                       | 1.52/60                    | 17.8                      | 0.70 | 506                            | 340  | 335  | 225  | 115             | 91  | 150         | 115 |
| 2 AWG                     | 2.92/115                       | 1.52/60                    | 19.3                      | 0.76 | 656                            | 441  | 405  | 272  | 155             | 120 | 195         | 150 |
| 1 AWG                     | 2.92/115                       | 1.52/60                    | 20.3                      | 0.80 | 759                            | 510  | 448  | 301  | 175             | 135 | 225         | 175 |
| 1/0 AWG                   | 2.92/115                       | 1.52/60                    | 21.3                      | 0.84 | 885                            | 595  | 552  | 371  | 200             | 155 | 260         | 200 |
| 2/0 AWG                   | 2.92/115                       | 1.52/60                    | 23.4                      | 0.92 | 1091                           | 733  | 620  | 417  | 230             | 175 | 300         | 235 |
| 3/0 AWG                   | 2.92/115                       | 1.52/60                    | 24.6                      | 0.97 | 1284                           | 863  | 698  | 469  | 260             | 200 | 345         | 270 |
| 4/0 AWG                   | 2.92/115                       | 1.52/60                    | 26.2                      | 1.03 | 1525                           | 1025 | 797  | 536  | 295             | 230 | 400         | 310 |
| 250 MCM                   | 2.92/115                       | 1.52/60                    | 27.4                      | 1.08 | 1735                           | 1166 | 884  | 594  | 325             | 250 | 445         | 345 |
| 350 MCM                   | 2.92/115                       | 1.91/75                    | 30.2                      | 1.19 | 2264                           | 1522 | 1094 | 735  | 390             | 305 | 550         | 430 |
| 500 MCM                   | 2.92/115                       | 1.91/75                    | 33.8                      | 1.33 | 3068                           | 2062 | 1413 | 950  | 465             | 370 | 685         | 535 |
| 750 MCM                   | 2.92/115                       | 2.16/85                    | 38.6                      | 1.52 | 4361                           | 2931 | 1895 | 1274 | 565             | 455 | 885         | 700 |
| 1000 MCM                  | 2.92/115                       | 2.16/85                    | 42.4                      | 1.67 | 5621                           | 3778 | 2495 | 1677 | 640             | 525 | 1060        | 840 |
| 8kV 133% to ICEA Standard |                                |                            |                           |      |                                |      |      |      |                 |     |             |     |
| 2 AWG                     | 3.56/140                       | 1.52/60                    | 20.6                      | 0.81 | 702                            | 472  | 446  | 300  | 195             | 120 | 155         | 150 |
| 1 AWG                     | 3.56/140                       | 1.52/60                    | 21.6                      | 0.85 | 806                            | 542  | 542  | 364  | 225             | 135 | 175         | 175 |
| 1/0 AWG                   | 3.56/140                       | 1.52/60                    | 23.6                      | 0.93 | 985                            | 662  | 603  | 405  | 260             | 155 | 200         | 200 |
| 2/0 AWG                   | 3.56/140                       | 1.52/60                    | 24.6                      | 0.97 | 1144                           | 769  | 668  | 449  | 300             | 175 | 230         | 235 |
| 3/0 AWG                   | 3.56/140                       | 1.52/60                    | 25.9                      | 1.02 | 1341                           | 901  | 751  | 505  | 345             | 200 | 260         | 270 |
| 4/0 AWG                   | 3.56/140                       | 1.52/60                    | 27.4                      | 1.08 | 1583                           | 1064 | 853  | 573  | 400             | 230 | 295         | 310 |
| 250 MCM                   | 3.56/140                       | 1.52/60                    | 28.7                      | 1.13 | 1797                           | 1208 | 940  | 632  | 445             | 250 | 325         | 345 |
| 350 MCM                   | 3.56/140                       | 1.91/75                    | 31.5                      | 1.24 | 2331                           | 1567 | 1155 | 776  | 550             | 305 | 390         | 430 |
| 500 MCM                   | 3.56/140                       | 1.91/75                    | 35.1                      | 1.38 | 3142                           | 2112 | 1480 | 995  | 685             | 370 | 465         | 535 |
| 750 MCM                   | 3.56/140                       | 2.16/85                    | 39.9                      | 1.57 | 4443                           | 2986 | 1971 | 1325 | 885             | 455 | 565         | 700 |
| 1000 MCM                  | 3.56/140                       | 2.16/85                    | 45.2                      | 1.78 | 5856                           | 3936 | 2590 | 1741 | 1060            | 525 | 640         | 840 |





## Caledonian Medium Voltage Cables

| 15kV 100% to ICEA Standard |                                    |                                |                                |      |                                   |      |      |      |                 |     |             |     |
|----------------------------|------------------------------------|--------------------------------|--------------------------------|------|-----------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                  | Insulation Thickness<br>(mm/ mils) | Sheath Thickness<br>(mm/ mils) | Overall Diameter<br>(mm / in.) |      | Cable Weight<br>(kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                            |                                    |                                |                                |      |                                   |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                            |                                    |                                | (D)                            |      | CU                                |      | AL   |      | CU              | AL  | CU          | AL  |
| 2 AWG                      | 4.45/175                           | 2.03/80                        | 23.4                           | 0.92 | 820                               | 551  | 613  | 412  | 155             | 120 | 195         | 150 |
| 1 AWG                      | 4.45/175                           | 2.03/80                        | 24.4                           | 0.96 | 928                               | 624  | 667  | 448  | 175             | 135 | 225         | 175 |
| 1/0 AWG                    | 4.45/175                           | 2.03/80                        | 25.4                           | 1.00 | 1062                              | 714  | 731  | 491  | 200             | 155 | 260         | 200 |
| 2/0 AWG                    | 4.45/175                           | 2.03/80                        | 26.4                           | 1.04 | 1224                              | 823  | 806  | 542  | 230             | 175 | 300         | 235 |
| 3/0 AWG                    | 4.45/175                           | 2.03/80                        | 27.7                           | 1.09 | 1422                              | 956  | 896  | 602  | 260             | 200 | 345         | 270 |
| 4/0 AWG                    | 4.45/175                           | 2.03/80                        | 29.2                           | 1.15 | 1669                              | 1122 | 1006 | 676  | 295             | 230 | 400         | 310 |
| 250 MCM                    | 4.45/175                           | 2.03/80                        | 30.5                           | 1.20 | 1887                              | 1268 | 1102 | 741  | 325             | 250 | 445         | 345 |
| 350 MCM                    | 4.45/175                           | 2.03/80                        | 33.5                           | 1.32 | 2455                              | 1650 | 1357 | 912  | 390             | 305 | 550         | 430 |
| 500 MCM                    | 4.45/175                           | 2.03/80                        | 36.8                           | 1.45 | 3248                              | 2183 | 1680 | 1129 | 465             | 370 | 685         | 535 |
| 750 MCM                    | 4.45/175                           | 2.03/80                        | 41.7                           | 1.64 | 4562                              | 3066 | 2196 | 1476 | 565             | 455 | 885         | 700 |
| 1000 MCM                   | 4.45/175                           | 2.79/110                       | 47.5                           | 1.87 | 6027                              | 4051 | 2870 | 1929 | 640             | 525 | 1060        | 840 |
| 15kV 133% to ICEA Standard |                                    |                                |                                |      |                                   |      |      |      |                 |     |             |     |
| 2 AWG                      | 5.59/220                           | 2.03/80                        | 25.7                           | 1.01 | 918                               | 617  | 711  | 478  | 155             | 120 | 195         | 150 |
| 1 AWG                      | 5.59/220                           | 2.03/80                        | 26.7                           | 1.05 | 1031                              | 693  | 768  | 516  | 175             | 135 | 225         | 175 |
| 1/0 AWG                    | 5.59/220                           | 2.03/80                        | 27.7                           | 1.09 | 1168                              | 785  | 836  | 562  | 200             | 155 | 260         | 200 |
| 2/0 AWG                    | 5.59/220                           | 2.03/80                        | 28.7                           | 1.13 | 1333                              | 896  | 915  | 615  | 230             | 175 | 300         | 235 |
| 3/0 AWG                    | 5.59/220                           | 2.03/80                        | 30.0                           | 1.18 | 1537                              | 1033 | 1009 | 678  | 260             | 200 | 345         | 270 |
| 4/0 AWG                    | 5.59/220                           | 2.03/80                        | 31.5                           | 1.24 | 1788                              | 1202 | 1123 | 755  | 295             | 230 | 400         | 310 |
| 250 MCM                    | 5.59/220                           | 2.03/80                        | 33.3                           | 1.31 | 2035                              | 1368 | 1251 | 841  | 325             | 250 | 445         | 345 |
| 350 MCM                    | 5.59/220                           | 2.03/80                        | 35.8                           | 1.41 | 2587                              | 1739 | 1489 | 1001 | 390             | 305 | 550         | 430 |
| 500 MCM                    | 5.59/220                           | 2.03/80                        | 39.1                           | 1.54 | 3392                              | 2280 | 1823 | 1225 | 465             | 370 | 685         | 535 |
| 750 MCM                    | 5.59/220                           | 2.03/80                        | 45.5                           | 1.79 | 4868                              | 3272 | 2502 | 1682 | 565             | 455 | 885         | 700 |
| 1000 MCM                   | 5.59/220                           | 2.79/110                       | 49.8                           | 1.96 | 6209                              | 4173 | 3051 | 2051 | 640             | 525 | 1060        | 840 |

# Addison Medium Voltage Cables



| 25kV 100% to ICEA Standard |                                |                            |                             |      |                                |      |      |      |                 |     |             |     |
|----------------------------|--------------------------------|----------------------------|-----------------------------|------|--------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                  | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                            |                                |                            |                             |      |                                |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                            |                                |                            | (D)                         |      | CU                             |      | AL   |      | CU              | AL  | CU          | AL  |
| 1 AWG                      | 6.60/260                       | 2.03/80                    | 28.7                        | 1.13 | 1128                           | 758  | 866  | 582  | 175             | 135 | 225         | 175 |
| 1/0 AWG                    | 6.60/260                       | 2.03/80                    | 29.7                        | 1.17 | 1268                           | 852  | 936  | 629  | 200             | 155 | 260         | 200 |
| 2/0 AWG                    | 6.60/260                       | 2.03/80                    | 30.7                        | 1.21 | 1436                           | 965  | 1018 | 684  | 230             | 175 | 300         | 230 |
| 3/0 AWG                    | 6.60/260                       | 2.03/80                    | 32.5                        | 1.28 | 1669                           | 1122 | 1143 | 768  | 260             | 200 | 345         | 270 |
| 4/0 AWG                    | 6.60/260                       | 2.03/80                    | 34.0                        | 1.34 | 1927                           | 1295 | 1262 | 848  | 295             | 230 | 395         | 310 |
| 250 MCM                    | 6.60/260                       | 2.03/80                    | 35.3                        | 1.39 | 2153                           | 1447 | 1367 | 919  | 325             | 250 | 440         | 345 |
| 350 MCM                    | 6.60/260                       | 2.03/80                    | 37.8                        | 1.49 | 2711                           | 1822 | 1613 | 1084 | 390             | 305 | 545         | 430 |
| 500 MCM                    | 6.60/260                       | 2.03/80                    | 41.1                        | 1.62 | 3526                           | 2370 | 1956 | 1315 | 465             | 370 | 680         | 530 |
| 750 MCM                    | 6.60/260                       | 2.79/110                   | 48.0                        | 1.89 | 5060                           | 3401 | 2696 | 1812 | 565             | 455 | 870         | 685 |
| 1000 MCM                   | 6.60/260                       | 2.79/110                   | 51.8                        | 2.04 | 6375                           | 4285 | 3218 | 2163 | 640             | 525 | 1040        | 825 |
| 25kV 133% to ICEA Standard |                                |                            |                             |      |                                |      |      |      |                 |     |             |     |
| 1/0 AWG                    | 8.76/345                       | 2.03/80                    | 34.5                        | 1.36 | 1532                           | 1030 | 1202 | 808  | 200             | 155 | 260         | 200 |
| 2/0 AWG                    | 8.76/345                       | 2.03/80                    | 35.6                        | 1.40 | 1709                           | 1149 | 1291 | 868  | 230             | 175 | 300         | 230 |
| 3/0 AWG                    | 8.76/345                       | 2.03/80                    | 36.8                        | 1.45 | 1925                           | 1294 | 1399 | 940  | 260             | 200 | 345         | 270 |
| 4/0 AWG                    | 8.76/345                       | 2.03/80                    | 38.4                        | 1.51 | 2192                           | 1473 | 1528 | 1027 | 295             | 230 | 395         | 310 |
| 250 MCM                    | 8.76/345                       | 2.03/80                    | 39.6                        | 1.56 | 2427                           | 1631 | 1641 | 1103 | 325             | 250 | 440         | 345 |
| 350 MCM                    | 8.76/345                       | 2.03/80                    | 42.4                        | 1.67 | 3002                           | 2018 | 1904 | 1280 | 390             | 305 | 545         | 430 |
| 500 MCM                    | 8.76/345                       | 2.03/80                    | 47.5                        | 1.87 | 4027                           | 2707 | 2459 | 1653 | 465             | 370 | 680         | 530 |
| 750 MCM                    | 8.76/345                       | 2.79/110                   | 52.3                        | 2.06 | 5422                           | 3644 | 3056 | 2054 | 565             | 455 | 870         | 685 |
| 1000 MCM                   | 8.76/345                       | 2.79/110                   | 56.1                        | 2.21 | 6761                           | 4544 | 3603 | 2422 | 640             | 525 | 1040        | 825 |



## Caledonian Medium Voltage Cables

| 35kV 100% to ICEA Standard |                                |                            |                             |      |                                |      |      |      |                 |     |             |     |
|----------------------------|--------------------------------|----------------------------|-----------------------------|------|--------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                  | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                            |                                |                            |                             |      |                                |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                            |                                |                            | (D)                         |      | CU                             |      | AL   |      | CU              | AL  | CU          | AL  |
| 1/0 AWG                    | 8.76/345                       | 2.03/80                    | 34.5                        | 1.36 | 1532                           | 1030 | 1202 | 808  | 200             | 155 | 260         | 200 |
| 2/0 AWG                    | 8.76/345                       | 2.03/80                    | 35.6                        | 1.40 | 1709                           | 1149 | 1291 | 868  | 230             | 175 | 300         | 230 |
| 3/0 AWG                    | 8.76/345                       | 2.03/80                    | 36.8                        | 1.45 | 1925                           | 1294 | 1399 | 940  | 260             | 200 | 345         | 270 |
| 4/0 AWG                    | 8.76/345                       | 2.03/80                    | 38.4                        | 1.51 | 2192                           | 1473 | 1528 | 1027 | 295             | 230 | 395         | 310 |
| 250 MCM                    | 8.76/345                       | 2.03/80                    | 39.6                        | 1.56 | 2427                           | 1631 | 1641 | 1103 | 325             | 250 | 440         | 345 |
| 350 MCM                    | 8.76/345                       | 2.03/80                    | 42.4                        | 1.67 | 3002                           | 2018 | 1904 | 1280 | 390             | 305 | 545         | 430 |
| 500 MCM                    | 8.76/345                       | 2.79/110                   | 47.5                        | 1.87 | 4027                           | 2707 | 2459 | 1653 | 465             | 370 | 680         | 530 |
| 750 MCM                    | 8.76/345                       | 2.79/110                   | 52.3                        | 2.06 | 5422                           | 3644 | 3056 | 2054 | 565             | 455 | 870         | 685 |
| 1000 MCM                   | 8.76/345                       | 2.79/110                   | 56.1                        | 2.21 | 6761                           | 4544 | 3603 | 2422 | 640             | 525 | 1040        | 825 |
| 35kV 133% to ICEA Standard |                                |                            |                             |      |                                |      |      |      |                 |     |             |     |
| 1/0 AWG                    | 10.67/420                      | 2.03/80                    | 38.4                        | 1.51 | 1770                           | 1190 | 1439 | 967  | 200             | 155 | 260         | 200 |
| 2/0 AWG                    | 10.67/420                      | 2.03/80                    | 39.6                        | 1.56 | 1953                           | 1313 | 1535 | 1032 | 230             | 175 | 300         | 230 |
| 3/0 AWG                    | 10.67/420                      | 2.03/80                    | 40.9                        | 1.61 | 2177                           | 1463 | 1650 | 1109 | 260             | 200 | 345         | 270 |
| 4/0 AWG                    | 10.67/420                      | 2.03/80                    | 42.2                        | 1.66 | 2450                           | 1647 | 1785 | 1200 | 295             | 230 | 395         | 310 |
| 250 MCM                    | 10.67/420                      | 2.03/80                    | 45.2                        | 1.78 | 2839                           | 1908 | 2055 | 1381 | 325             | 250 | 440         | 345 |
| 350 MCM                    | 10.67/420                      | 2.03/80                    | 48.3                        | 1.90 | 3476                           | 2336 | 2378 | 1598 | 390             | 305 | 545         | 430 |
| 500 MCM                    | 10.67/420                      | 2.79/110                   | 51.6                        | 2.03 | 4343                           | 2919 | 2775 | 1865 | 465             | 370 | 680         | 530 |
| 750 MCM                    | 10.67/420                      | 2.79/110                   | 56.1                        | 2.21 | 5764                           | 3874 | 3398 | 2284 | 565             | 455 | 870         | 685 |
| 1000 MCM                   | 10.67/420                      | 2.79/110                   | 59.9                        | 2.36 | 7124                           | 4788 | 3966 | 2666 | 640             | 525 | 1040        | 825 |

# Addison Medium Voltage Cables



## Concentric Neutral Cables

| 5kV 100% Single Phase - Full Neutral     |                                |                            |                             |      |                                |      |      |      |                 |     |                    |     |
|------------------------------------------|--------------------------------|----------------------------|-----------------------------|------|--------------------------------|------|------|------|-----------------|-----|--------------------|-----|
| Conductor                                | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |                    |     |
|                                          |                                |                            |                             |      |                                |      |      |      | 90°C In Duct    |     | 90°C Direct Buried |     |
|                                          |                                |                            | (D)                         |      | CU                             |      | AL   |      | CU              | AL  | CU                 | AL  |
| 2 SOLID                                  | 2.29/90                        | 1.52/60                    | 20.1                        | 0.79 | 848                            | 570  | 536  | 360  | 152             | 119 | 215                | 169 |
| 2 AWG                                    | 2.29/90                        | 2.03/80                    | 20.8                        | 0.82 | 869                            | 584  | 558  | 375  | 153             | 120 | 217                | 170 |
| 1 SOLID                                  | 2.29/90                        | 2.03/80                    | 20.8                        | 0.82 | 1047                           | 704  | 628  | 422  | 175             | 136 | 245                | 193 |
| 1 AWG                                    | 2.29/90                        | 2.03/80                    | 21.8                        | 0.86 | 1077                           | 724  | 653  | 439  | 176             | 138 | 247                | 195 |
| 1/0 SOLID                                | 2.29/90                        | 2.03/80                    | 21.8                        | 0.86 | 1251                           | 841  | 729  | 490  | 198             | 155 | 277                | 219 |
| 1/0 AWG                                  | 2.29/90                        | 2.03/80                    | 22.9                        | 0.90 | 1282                           | 862  | 757  | 509  | 200             | 156 | 280                | 220 |
| 2/0 AWG                                  | 2.29/90                        | 2.03/80                    | 24.6                        | 0.97 | 1601                           | 1076 | 933  | 627  | 231             | 181 | 317                | 251 |
| 3/0 AWG                                  | 2.29/90                        | 2.03/80                    | 25.9                        | 1.02 | 1921                           | 1291 | 1095 | 736  | 262             | 206 | 359                | 285 |
| 4/0 AWG                                  | 2.29/90                        | 2.03/80                    | 28.5                        | 1.12 | 2366                           | 1590 | 1360 | 914  | 300             | 237 | 407                | 323 |
| 250 MCM                                  | 2.29/90                        | 2.03/80                    | 30.0                        | 1.18 | -                              | -    | 1601 | 1076 | -               | 264 | -                  | 258 |
| 350 MCM                                  | 2.29/90                        | 2.03/80                    | 33.0                        | 1.30 | -                              | -    | 2026 | 1362 | -               | 314 | -                  | 421 |
| 5kV 100% Three Phase - One-Third Neutral |                                |                            |                             |      |                                |      |      |      |                 |     |                    |     |
| 2 SOLID                                  | 2.29/90                        | 1.52/60                    | 20.1                        | 0.79 | 674                            | 453  | 466  | 313  | 157             | 123 | 227                | 178 |
| 2 AWG                                    | 2.29/90                        | 1.52/60                    | 20.8                        | 0.82 | 696                            | 468  | 489  | 329  | 158             | 123 | 228                | 179 |
| 1 SOLID                                  | 2.29/90                        | 1.52/60                    | 20.8                        | 0.82 | 784                            | 527  | 506  | 340  | 179             | 140 | 256                | 202 |
| 1 AWG                                    | 2.29/90                        | 2.03/80                    | 21.8                        | 0.86 | 811                            | 545  | 531  | 357  | 180             | 140 | 256                | 203 |
| 1/0 SOLID                                | 2.29/90                        | 2.03/80                    | 21.8                        | 0.86 | 937                            | 630  | 555  | 373  | 204             | 159 | 286                | 229 |
| 1/0 AWG                                  | 2.29/90                        | 2.03/80                    | 22.9                        | 0.90 | 969                            | 651  | 585  | 393  | 205             | 160 | 287                | 229 |
| 2/0 AWG                                  | 2.29/90                        | 2.03/80                    | 23.9                        | 0.94 | 1153                           | 775  | 665  | 447  | 233             | 182 | 320                | 258 |
| 3/0 AWG                                  | 2.29/90                        | 2.03/80                    | 25.1                        | 0.99 | 1390                           | 934  | 777  | 522  | 265             | 208 | 353                | 290 |
| 4/0 AWG                                  | 2.29/90                        | 2.03/80                    | 26.7                        | 1.05 | 1690                           | 1136 | 905  | 608  | 301             | 237 | 385                | 323 |
| 250 MCM                                  | 2.29/90                        | 2.03/80                    | 27.9                        | 1.10 | 1959                           | 1317 | 1031 | 693  | 330             | 261 | 409                | 348 |
| 350 MCM                                  | 2.29/90                        | 2.03/80                    | 30.5                        | 1.20 | 2648                           | 1780 | 1320 | 887  | 393             | 314 | 452                | 399 |
| 500 MCM                                  | 2.29/90                        | 2.03/80                    | 35.5                        | 1.39 | 3751                           | 2521 | 1814 | 1219 | 464             | 381 | 494                | 449 |
| 750 MCM                                  | 2.29/90                        | 2.03/80                    | 40.1                        | 1.58 | 5532                           | 3718 | 2516 | 1691 | 540             | 464 | 552                | 505 |
| 1000 MCM                                 | 2.29/90                        | 2.79/110                   | 46.5                        | 1.83 | 7211                           | 4847 | 3355 | 2255 | 586             | 522 | 607                | 541 |



## Caledonian Medium Voltage Cables

| 5kV 133% Single Phase - Full Neutral     |                                |                            |                             |      |                                |      |      |      |                 |     |                    |     |
|------------------------------------------|--------------------------------|----------------------------|-----------------------------|------|--------------------------------|------|------|------|-----------------|-----|--------------------|-----|
| Conductor                                | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |                    |     |
|                                          |                                |                            |                             |      |                                |      |      |      | 90°C In Duct    |     | 90°C Direct Buried |     |
|                                          |                                |                            | (D)                         |      | CU                             |      | AL   |      | CU              | AL  | CU                 | AL  |
| 2 SOLID                                  | 2.92/115                       | 2.03/80                    | 21.3                        | 0.84 | 887                            | 596  | 574  | 386  | 152             | 119 | 215                | 169 |
| 2 AWG                                    | 2.92/115                       | 2.03/80                    | 22.1                        | 0.87 | 909                            | 611  | 598  | 402  | 153             | 120 | 217                | 170 |
| 1 SOLID                                  | 2.92/115                       | 2.03/80                    | 22.1                        | 0.87 | 1089                           | 732  | 668  | 449  | 175             | 136 | 245                | 193 |
| 1 AWG                                    | 2.92/115                       | 2.03/80                    | 23.1                        | 0.91 | 1120                           | 753  | 695  | 467  | 176             | 138 | 247                | 195 |
| 1/0 SOLID                                | 2.92/115                       | 2.03/80                    | 23.1                        | 0.91 | 1296                           | 871  | 771  | 518  | 198             | 155 | 277                | 219 |
| 1/0 AWG                                  | 2.92/115                       | 2.03/80                    | 24.1                        | 0.95 | 1329                           | 893  | 802  | 539  | 200             | 156 | 280                | 220 |
| 2/0 AWG                                  | 2.92/115                       | 2.03/80                    | 25.9                        | 1.02 | 1650                           | 1109 | 980  | 659  | 231             | 181 | 317                | 251 |
| 3/0 AWG                                  | 2.92/115                       | 2.03/80                    | 27.2                        | 1.07 | 1973                           | 1326 | 1144 | 769  | 262             | 206 | 359                | 285 |
| 4/0 AWG                                  | 2.92/115                       | 2.03/80                    | 29.7                        | 1.17 | 2422                           | 1628 | 1415 | 951  | 300             | 237 | 407                | 323 |
| 250 MCM                                  | 2.92/115                       | 2.03/80                    | 31.2                        | 1.23 | -                              | -    | 1659 | 1115 | -               | 264 | -                  | 358 |
| 350 MCM                                  | 2.92/115                       | 2.03/80                    | 34.3                        | 1.35 | -                              | -    | 2090 | 1405 | -               | 314 | -                  | 421 |
| 5kV 133% Three Phase - One-Third Neutral |                                |                            |                             |      |                                |      |      |      |                 |     |                    |     |
| 2 SOLID                                  | 2.92/115                       | 2.03/80                    | 21.3                        | 0.84 | 708                            | 479  | 504  | 339  | 157             | 123 | 227                | 178 |
| 2 AWG                                    | 2.92/115                       | 2.03/80                    | 22.1                        | 0.87 | 736                            | 495  | 530  | 356  | 158             | 123 | 228                | 179 |
| 1 SOLID                                  | 2.92/115                       | 2.03/80                    | 22.1                        | 0.87 | 824                            | 554  | 546  | 367  | 179             | 140 | 256                | 202 |
| 1 AWG                                    | 2.92/115                       | 2.03/80                    | 23.1                        | 0.91 | 853                            | 573  | 573  | 385  | 180             | 140 | 256                | 203 |
| 1/0 SOLID                                | 2.92/115                       | 2.03/80                    | 23.1                        | 0.91 | 980                            | 659  | 597  | 401  | 204             | 159 | 286                | 229 |
| 1/0 AWG                                  | 2.92/115                       | 2.03/80                    | 24.1                        | 0.95 | 1012                           | 680  | 628  | 422  | 205             | 160 | 287                | 229 |
| 2/0 AWG                                  | 2.92/115                       | 2.03/80                    | 25.1                        | 0.99 | 1198                           | 805  | 711  | 478  | 233             | 182 | 320                | 258 |
| 3/0 AWG                                  | 2.92/115                       | 2.03/80                    | 26.4                        | 1.04 | 1439                           | 967  | 824  | 554  | 265             | 208 | 353                | 290 |
| 4/0 AWG                                  | 2.92/115                       | 2.03/80                    | 27.9                        | 1.10 | 1742                           | 1171 | 955  | 642  | 301             | 237 | 385                | 323 |
| 250 MCM                                  | 2.92/115                       | 2.03/80                    | 29.2                        | 1.15 | 2013                           | 1353 | 1085 | 729  | 330             | 261 | 409                | 348 |
| 350 MCM                                  | 2.92/115                       | 2.03/80                    | 31.8                        | 1.25 | 2708                           | 1820 | 1378 | 926  | 393             | 314 | 452                | 399 |
| 500 MCM                                  | 2.92/115                       | 2.03/80                    | 36.6                        | 1.44 | 3819                           | 2567 | 1881 | 1264 | 464             | 381 | 494                | 449 |
| 750 MCM                                  | 2.92/115                       | 2.03/80                    | 41.4                        | 1.63 | 5613                           | 3773 | 2592 | 1742 | 540             | 464 | 552                | 505 |
| 1000MCM                                  | 2.92/115                       | 2.79/110                   | 47.8                        | 1.88 | 7302                           | 4908 | 3443 | 2314 | 586             | 522 | 607                | 541 |



# Addison Medium Voltage Cables



| 15kV 100% Single Phase - Full Neutral     |                                |                            |                             |      |                                |      |      |      |                 |     |                    |     |
|-------------------------------------------|--------------------------------|----------------------------|-----------------------------|------|--------------------------------|------|------|------|-----------------|-----|--------------------|-----|
| Conductor                                 | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |                    |     |
|                                           |                                |                            |                             |      |                                |      |      |      | 90°C In Duct    |     | 90°C Direct Buried |     |
|                                           |                                |                            | (D)                         |      | CU                             |      | AL   |      | CU              | AL  | CU                 | AL  |
| 2 SOLID                                   | 4.45/175                       | 2.03/80                    | 24.4                        | 0.96 | 989                            | 665  | 677  | 455  | 157             | 123 | 215                | 169 |
| 2 AWG                                     | 4.45/175                       | 2.03/80                    | 25.1                        | 0.99 | 1015                           | 682  | 704  | 473  | 158             | 124 | 217                | 170 |
| 1 SOLID                                   | 4.45/175                       | 2.03/80                    | 25.1                        | 0.99 | 1201                           | 807  | 774  | 520  | 181             | 141 | 245                | 193 |
| 1 AWG                                     | 4.45/175                       | 2.03/80                    | 26.2                        | 1.03 | 1235                           | 830  | 805  | 541  | 182             | 143 | 246                | 194 |
| 1/0 SOLID                                 | 4.45/175                       | 2.03/80                    | 26.2                        | 1.03 | 1410                           | 948  | 881  | 592  | 205             | 160 | 277                | 219 |
| 1/0 AWG                                   | 4.45/175                       | 2.03/80                    | 26.4                        | 1.07 | 1448                           | 973  | 916  | 616  | 207             | 162 | 279                | 220 |
| 2/0 AWG                                   | 4.45/175                       | 2.03/80                    | 29.0                        | 1.14 | 1779                           | 1196 | 1104 | 742  | 237             | 183 | 317                | 251 |
| 3/0 AWG                                   | 4.45/175                       | 2.03/80                    | 30.2                        | 1.19 | 2108                           | 1417 | 1274 | 856  | 270             | 212 | 359                | 284 |
| 4/0 AWG                                   | 4.45/175                       | 2.03/80                    | 32.8                        | 1.29 | 2565                           | 1724 | 1556 | 1046 | 307             | 243 | 407                | 323 |
| 250 MCM                                   | 4.45/175                       | 2.03/80                    | 34.3                        | 1.35 | -                              | -    | 1806 | 1214 | -               | 270 | -                  | 358 |
| 350 MCM                                   | 4.45/175                       | 2.03/80                    | 37.8                        | 1.49 | -                              | -    | 2285 | 1536 | -               | 321 | -                  | 420 |
| 15kV 100% Three Phase – One-Third Neutral |                                |                            |                             |      |                                |      |      |      |                 |     |                    |     |
| 2 SOLID                                   | 4.45/175                       | 2.03/80                    | 24.4                        | 0.96 | 815                            | 548  | 609  | 409  | 162             | 126 | 223                | 175 |
| 2 AWG                                     | 4.45/175                       | 2.03/80                    | 25.1                        | 0.99 | 842                            | 566  | 635  | 427  | 162             | 126 | 224                | 175 |
| 1 SOLID                                   | 4.45/175                       | 2.03/80                    | 25.1                        | 0.99 | 930                            | 625  | 653  | 439  | 184             | 143 | 252                | 199 |
| 1 AWG                                     | 4.45/175                       | 2.03/80                    | 26.2                        | 1.03 | 963                            | 647  | 683  | 459  | 184             | 144 | 252                | 199 |
| 1/0 SOLID                                 | 4.45/175                       | 2.03/80                    | 26.2                        | 1.03 | 1091                           | 733  | 707  | 475  | 209             | 163 | 283                | 225 |
| 1/0 AWG                                   | 4.45/175                       | 2.03/80                    | 27.2                        | 1.07 | 1126                           | 757  | 742  | 499  | 210             | 163 | 284                | 225 |
| 2/0 AWG                                   | 4.45/175                       | 2.03/80                    | 28.2                        | 1.11 | 1318                           | 886  | 830  | 558  | 238             | 186 | 317                | 255 |
| 3/0 AWG                                   | 4.45/175                       | 2.03/80                    | 29.5                        | 1.16 | 1564                           | 1051 | 949  | 638  | 271             | 212 | 351                | 286 |
| 4/0 AWG                                   | 4.45/175                       | 2.03/80                    | 31.0                        | 1.22 | 1873                           | 1259 | 1086 | 730  | 307             | 241 | 385                | 320 |
| 250 MCM                                   | 4.45/175                       | 2.03/80                    | 32.3                        | 1.27 | 2150                           | 1445 | 1221 | 821  | 336             | 265 | 410                | 345 |
| 350 MCM                                   | 4.45/175                       | 2.03/80                    | 35.3                        | 1.39 | 2894                           | 1945 | 1559 | 1048 | 400             | 319 | 457                | 398 |
| 500 MCM                                   | 4.45/175                       | 2.03/80                    | 39.6                        | 1.56 | 3995                           | 2685 | 2050 | 1378 | 471             | 385 | 501                | 451 |
| 750 MCM                                   | 4.45/175                       | 2.79/110                   | 46                          | 1.81 | 5820                           | 3912 | 2883 | 1938 | 548             | 468 | 559                | 507 |
| 1000 MCM                                  | 4.45/175                       | 2.79/110                   | 51.6                        | 2.03 | 7598                           | 5107 | 3730 | 2507 | 596             | 529 | 669                | 549 |



# Caledonian Medium Voltage Cables

| 15kV 133% Single Phase - Full Neutral     |                                |                            |                             |      |                                |      |      |      |                 |     |                    |     |
|-------------------------------------------|--------------------------------|----------------------------|-----------------------------|------|--------------------------------|------|------|------|-----------------|-----|--------------------|-----|
| Conductor                                 | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |                    |     |
|                                           |                                |                            |                             |      |                                |      |      |      | 90°C In Duct    |     | 90°C Direct Buried |     |
|                                           |                                |                            | (D)                         |      | CU                             |      | AL   |      | CU              | AL  | CU                 | AL  |
| 2 SOLID                                   | 5.59/220                       | 2.03/80                    | 26.7                        | 1.05 | 1076                           | 723  | 763  | 513  | 157             | 123 | 215                | 169 |
| 2 AWG                                     | 5.59/220                       | 2.03/80                    | 27.4                        | 1.08 | 1104                           | 742  | 793  | 533  | 158             | 124 | 217                | 170 |
| 1 SOLID                                   | 5.59/220                       | 2.03/80                    | 27.4                        | 1.08 | 1291                           | 868  | 863  | 580  | 181             | 141 | 245                | 193 |
| 1 AWG                                     | 5.59/220                       | 2.03/80                    | 28.4                        | 1.12 | 1329                           | 893  | 897  | 603  | 182             | 143 | 246                | 194 |
| 1/0 SOLID                                 | 5.59/220                       | 2.03/80                    | 28.4                        | 1.12 | 1504                           | 1011 | 973  | 654  | 205             | 160 | 277                | 219 |
| 1/0 AWG                                   | 5.59/220                       | 2.03/80                    | 29.5                        | 1.16 | 1546                           | 1039 | 1012 | 680  | 207             | 162 | 279                | 220 |
| 2/0 AWG                                   | 5.59/220                       | 2.03/80                    | 31.2                        | 1.23 | 1884                           | 1266 | 1207 | 811  | 237             | 186 | 317                | 251 |
| 3/0 AWG                                   | 5.59/220                       | 2.03/80                    | 32.5                        | 1.28 | 2217                           | 1490 | 1379 | 927  | 270             | 212 | 359                | 284 |
| 4/0 AWG                                   | 5.59/220                       | 2.03/80                    | 35.1                        | 1.38 | 2683                           | 1803 | 1669 | 1122 | 307             | 243 | 407                | 323 |
| 250 MCM                                   | 5.59/220                       | 2.03/80                    | 37.1                        | 1.46 | -                              | -    | 1956 | 1315 | -               | 270 | -                  | 358 |
| 350 MCM                                   | 5.59/220                       | 2.03/80                    | 40.1                        | 1.58 | -                              | -    | 2416 | 1624 | -               | 321 | -                  | 420 |
| 15kV 133% Three Phase – One-Third Neutral |                                |                            |                             |      |                                |      |      |      |                 |     |                    |     |
| 2 SOLID                                   | 5.59/220                       | 2.03/80                    | 26.7                        | 1.05 | 902                            | 606  | 693  | 466  | 162             | 126 | 223                | 175 |
| 2 AWG                                     | 5.59/220                       | 2.03/80                    | 27.4                        | 1.08 | 930                            | 625  | 723  | 486  | 162             | 126 | 227                | 175 |
| 1 SOLID                                   | 5.59/220                       | 2.03/80                    | 27.4                        | 1.08 | 1019                           | 685  | 741  | 498  | 184             | 143 | 252                | 199 |
| 1 AWG                                     | 5.59/220                       | 2.03/80                    | 28.4                        | 1.12 | 1055                           | 709  | 775  | 521  | 184             | 144 | 252                | 199 |
| 1/0 SOLID                                 | 5.59/220                       | 2.03/80                    | 28.4                        | 1.12 | 1181                           | 794  | 799  | 537  | 209             | 163 | 283                | 225 |
| 1/0 AWG                                   | 5.59/220                       | 2.03/80                    | 26.9                        | 1.16 | 1266                           | 821  | 838  | 563  | 210             | 163 | 284                | 225 |
| 2/0 AWG                                   | 5.59/220                       | 2.03/80                    | 30.5                        | 1.20 | 1416                           | 952  | 928  | 624  | 238             | 186 | 317                | 255 |
| 3/0 AWG                                   | 5.59/220                       | 2.03/80                    | 31.8                        | 1.25 | 1666                           | 1120 | 1052 | 707  | 271             | 212 | 351                | 286 |
| 4/0 AWG                                   | 5.59/220                       | 2.03/80                    | 33.3                        | 1.31 | 1980                           | 1331 | 1195 | 803  | 307             | 241 | 385                | 320 |
| 250 MCM                                   | 5.59/220                       | 2.03/80                    | 35.1                        | 1.38 | 2293                           | 1541 | 1364 | 917  | 336             | 265 | 410                | 345 |
| 350 MCM                                   | 5.59/220                       | 2.03/80                    | 37.6                        | 1.48 | 3019                           | 2029 | 1681 | 1130 | 400             | 319 | 457                | 398 |
| 500 MCM                                   | 5.59/220                       | 2.03/80                    | 43.4                        | 1.71 | 4233                           | 2845 | 2282 | 1534 | 471             | 385 | 501                | 451 |
| 750 MCM                                   | 5.59/220                       | 2.79/110                   | 48.3                        | 1.90 | 5984                           | 4022 | 3040 | 2043 | 548             | 468 | 559                | 507 |
| 1000 MCM                                  | 5.59/220                       | 2.79/110                   | 53.8                        | 2.12 | 7780                           | 5229 | 3907 | 2626 | 593             | 529 | 669                | 549 |

# Addison Medium Voltage Cables



| 25kV 100% Single Phase - Full Neutral     |                                   |                               |                                |      |                                   |      |      |      |                 |     |                    |     |
|-------------------------------------------|-----------------------------------|-------------------------------|--------------------------------|------|-----------------------------------|------|------|------|-----------------|-----|--------------------|-----|
| Conductor                                 | Insulation Thickness<br>(mm/mils) | Sheath Thickness<br>(mm/mils) | Overall Diameter<br>(mm / in.) |      | Cable Weight<br>(kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |                    |     |
|                                           |                                   |                               |                                |      |                                   |      |      |      | 90°C In Duct    |     | 90°C Direct Buried |     |
|                                           |                                   |                               | (D)                            |      | CU                                |      | AL   |      | CU              | AL  | CU                 | AL  |
| 1 SOLID                                   | 6.60/260                          | 2.03/80                       | 29.5                           | 1.16 | 1379                              | 927  | 948  | 637  | 186             | 145 | 245                | 192 |
| 1 AWG                                     | 6.60/260                          | 2.03/80                       | 30.5                           | 1.20 | 1375                              | 954  | 985  | 662  | 187             | 146 | 246                | 194 |
| 1/0 SOLID                                 | 6.60/260                          | 2.03/80                       | 30.5                           | 1.20 | 1595                              | 1072 | 1061 | 713  | 210             | 165 | 277                | 218 |
| 1/0 AWG                                   | 6.60/260                          | 2.03/80                       | 31.5                           | 1.24 | 1638                              | 1101 | 1102 | 741  | 212             | 166 | 279                | 219 |
| 2/0 AWG                                   | 6.60/260                          | 2.03/80                       | 58.7                           | 1.31 | 1983                              | 1333 | 1302 | 875  | 243             | 190 | 317                | 250 |
| 3/0 AWG                                   | 6.60/260                          | 2.03/80                       | 35.1                           | 1.38 | 2352                              | 1581 | 1510 | 1015 | 276             | 217 | 359                | 283 |
| 4/0 AWG                                   | 6.60/260                          | 2.03/80                       | 37.6                           | 1.48 | 2825                              | 1899 | 1811 | 1217 | 314             | 248 | 406                | 322 |
| 250 MCM                                   | 6.60/260                          | 2.03/80                       | 39.1                           | 1.54 | -                                 | -    | 2071 | 1392 | -               | 276 | -                  | 356 |
| 350 MCM                                   | 6.60/260                          | 2.79/110                      | 43.7                           | 1.72 | -                                 | -    | 2636 | 1772 | -               | 326 | -                  | 416 |
| 25kV 100% Three Phase – One-Third Neutral |                                   |                               |                                |      |                                   |      |      |      |                 |     |                    |     |
| 1 SOLID                                   | 6.60/260                          | 2.03/80                       | 29.5                           | 1.16 | 1104                              | 742  | 826  | 555  | 187             | 146 | 249                | 196 |
| 1 AWG                                     | 6.60/260                          | 2.03/80                       | 30.5                           | 1.20 | 1143                              | 768  | 863  | 580  | 187             | 146 | 249                | 196 |
| 1/0 SOLID                                 | 6.60/260                          | 2.03/80                       | 30.5                           | 1.20 | 1269                              | 853  | 887  | 596  | 213             | 166 | 280                | 222 |
| 1/0 AWG                                   | 6.60/260                          | 2.03/80                       | 31.5                           | 1.24 | 1312                              | 882  | 928  | 624  | 213             | 166 | 281                | 222 |
| 2/0 AWG                                   | 6.60/260                          | 2.03/80                       | 32.5                           | 1.28 | 1510                              | 1015 | 1022 | 687  | 242             | 189 | 314                | 251 |
| 3/0 AWG                                   | 6.60/260                          | 2.03/80                       | 34.3                           | 1.35 | 1794                              | 1206 | 1180 | 793  | 275             | 216 | 349                | 283 |
| 4/0 AWG                                   | 6.60/260                          | 2.03/80                       | 35.8                           | 1.41 | 2114                              | 1421 | 1327 | 892  | 311             | 245 | 384                | 317 |
| 250 MCM                                   | 6.60/260                          | 2.03/80                       | 37.1                           | 1.46 | 2401                              | 1614 | 1473 | 990  | 341             | 269 | 410                | 343 |
| 350 MCM                                   | 6.60/260                          | 2.03/80                       | 39.6                           | 1.56 | 3138                              | 2109 | 1797 | 1208 | 405             | 322 | 460                | 397 |
| 500 MCM                                   | 6.60/260                          | 2.79/110                      | 45.5                           | 1.79 | 4368                              | 2936 | 2415 | 1623 | 475             | 389 | 504                | 451 |
| 750 MCM                                   | 6.60/260                          | 2.79/110                      | 51.1                           | 2.01 | 6204                              | 4170 | 3251 | 2187 | 556             | 473 | 567                | 513 |
| 1000 MCM                                  | 6.60/260                          | 2.79/110                      | 55.9                           | 2.20 | 7948                              | 5342 | 4071 | 2736 | 603             | 533 | 620                | 555 |



## Caledonian Medium Voltage Cables

| 25kV 133% Single Phase - Full Neutral     |                                |                            |                             |      |                                |      |      |      |                 |     |                    |     |
|-------------------------------------------|--------------------------------|----------------------------|-----------------------------|------|--------------------------------|------|------|------|-----------------|-----|--------------------|-----|
| Conductor                                 | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |                    |     |
|                                           |                                |                            |                             |      |                                |      |      |      | 90°C In Duct    |     | 90°C Direct Buried |     |
|                                           |                                |                            | (D)                         |      | CU                             |      | AL   |      | CU              | AL  | CU                 | AL  |
| 1 SOLID                                   | 6.60/260                       | 2.03/80                    | 32.8                        | 1.29 | 1526                           | 1026 | 1092 | 734  | 186             | 145 | 245                | 192 |
| 1 AWG                                     | 6.60/260                       | 2.03/80                    | 33.5                        | 1.32 | 1571                           | 1056 | 1132 | 761  | 187             | 146 | 246                | 194 |
| 1/0 SOLID                                 | 6.60/260                       | 2.03/80                    | 33.5                        | 1.32 | 1747                           | 1174 | 1208 | 812  | 210             | 165 | 277                | 218 |
| 1/0 AWG                                   | 6.60/260                       | 2.03/80                    | 35.1                        | 1.38 | 1827                           | 1228 | 1285 | 864  | 212             | 166 | 279                | 219 |
| 2/0 AWG                                   | 6.60/260                       | 2.03/80                    | 37.1                        | 1.46 | 2184                           | 1468 | 1497 | 1006 | 243             | 190 | 317                | 250 |
| 3/0 AWG                                   | 6.60/260                       | 2.03/80                    | 38.4                        | 1.51 | 2528                           | 1699 | 1680 | 1129 | 276             | 217 | 359                | 283 |
| 4/0 AWG                                   | 6.60/260                       | 2.03/80                    | 40.9                        | 1.61 | 3010                           | 2023 | 1992 | 1339 | 314             | 248 | 406                | 322 |
| 250 MCM                                   | 6.60/260                       | 2.79/110                   | 43.7                        | 1.72 | -                              | -    | 2355 | 1583 | -               | 276 | -                  | 356 |
| 350 MCM                                   | 6.60/260                       | 2.79/110                   | 46.2                        | 1.82 | -                              | -    | 2846 | 1913 | -               | 326 | -                  | 416 |
| 25kV 133% Three Phase – One-Third Neutral |                                |                            |                             |      |                                |      |      |      |                 |     |                    |     |
| 1 SOLID                                   | 6.60/260                       | 2.03/80                    | 32.8                        | 1.29 | 1247                           | 838  | 970  | 652  | 187             | 146 | 249                | 196 |
| 1 AWG                                     | 6.60/260                       | 2.03/80                    | 33.5                        | 1.32 | 1290                           | 867  | 1010 | 679  | 187             | 146 | 249                | 196 |
| 1/0 SOLID                                 | 6.60/260                       | 2.03/80                    | 33.5                        | 1.32 | 1416                           | 952  | 1034 | 695  | 213             | 166 | 280                | 222 |
| 1/0 AWG                                   | 6.60/260                       | 2.03/80                    | 35.1                        | 1.38 | 1495                           | 1005 | 1111 | 747  | 213             | 166 | 281                | 222 |
| 2/0 AWG                                   | 6.60/260                       | 2.03/80                    | 36.1                        | 1.42 | 1699                           | 1142 | 1211 | 814  | 242             | 189 | 314                | 251 |
| 3/0 AWG                                   | 6.60/260                       | 2.03/80                    | 37.3                        | 1.47 | 1959                           | 1317 | 1346 | 905  | 275             | 216 | 349                | 283 |
| 4/0 AWG                                   | 6.60/260                       | 2.03/80                    | 38.9                        | 1.53 | 2287                           | 1537 | 1500 | 1008 | 311             | 245 | 384                | 317 |
| 250 MCM                                   | 6.60/260                       | 2.03/80                    | 40.4                        | 1.59 | 2580                           | 1734 | 1651 | 1110 | 341             | 269 | 410                | 343 |
| 350 MCM                                   | 6.60/260                       | 2.79/110                   | 44.5                        | 1.75 | 3431                           | 2306 | 2084 | 1401 | 405             | 322 | 460                | 397 |
| 500 MCM                                   | 6.60/260                       | 2.79/110                   | 48.5                        | 1.91 | 4590                           | 3085 | 2630 | 1768 | 475             | 389 | 504                | 451 |
| 750 MCM                                   | 6.60/260                       | 2.79/110                   | 54.1                        | 2.13 | 6456                           | 4339 | 3496 | 2350 | 556             | 473 | 567                | 513 |
| 1000 MCM                                  | 6.60/260                       | 2.79/110                   | 58.9                        | 2.32 | 8219                           | 5524 | 4335 | 2914 | 603             | 553 | 620                | 555 |



| 35kV 100% Single Phase - Full Neutral     |                                |                            |                             |      |                                |      |      |      |                 |     |                    |     |
|-------------------------------------------|--------------------------------|----------------------------|-----------------------------|------|--------------------------------|------|------|------|-----------------|-----|--------------------|-----|
| Conductor                                 | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |                    |     |
|                                           |                                |                            |                             |      |                                |      |      |      | 90°C In Duct    |     | 90°C Direct Buried |     |
|                                           |                                |                            | (D)                         |      | CU                             |      | AL   |      | CU              | AL  | CU                 | AL  |
| 1/0 SOLID                                 | 8.76/345                       | 2.03/80                    | 35.3                        | 1.39 | 1843                           | 1239 | 1303 | 876  | 215             | 168 | 276                | 217 |
| 1/0 AWG                                   | 8.76/345                       | 2.03/80                    | 36.3                        | 1.43 | 1895                           | 1274 | 1352 | 909  | 217             | 169 | 278                | 218 |
| 2/0 AWG                                   | 8.76/345                       | 2.03/80                    | 38.4                        | 1.51 | 2256                           | 1516 | 1567 | 1053 | 248             | 194 | 316                | 249 |
| 3/0 AWG                                   | 8.76/345                       | 2.03/80                    | 39.6                        | 1.56 | 2602                           | 1749 | 1753 | 1178 | 281             | 220 | 358                | 283 |
| 4/0 AWG                                   | 8.76/345                       | 2.79/110                   | 43.7                        | 1.72 | 3185                           | 2141 | 2165 | 1455 | 319             | 252 | 402                | 321 |
| 250 MCM                                   | 8.76/345                       | 2.79/110                   | 45.0                        | 1.77 | -                              | -    | 2437 | 1638 | -               | 280 | -                  | 353 |
| 350 MCM                                   | 8.76/345                       | 2.79/110                   | 48.3                        | 1.90 | -                              | -    | 2935 | 1973 | -               | 331 | -                  | 416 |
| 35kV 100% Three Phase – One-Third Neutral |                                |                            |                             |      |                                |      |      |      |                 |     |                    |     |
| 1 SOLID                                   | 8.76/345                       | 2.03/80                    | 35.3                        | 1.39 | 1512                           | 1016 | 1129 | 759  | 216             | 168 | 277                | 219 |
| 1/0 AWG                                   | 8.76/345                       | 2.03/80                    | 36.3                        | 1.43 | 1562                           | 1050 | 1178 | 792  | 216             | 168 | 278                | 219 |
| 2/0 AWG                                   | 8.76/345                       | 2.03/80                    | 37.3                        | 1.47 | 1768                           | 1188 | 1281 | 861  | 245             | 191 | 311                | 248 |
| 3/0 AWG                                   | 8.76/345                       | 2.03/80                    | 38.6                        | 1.52 | 2031                           | 1365 | 1416 | 952  | 278             | 218 | 347                | 280 |
| 4/0 AWG                                   | 8.76/345                       | 2.03/80                    | 40.1                        | 1.58 | 2360                           | 1586 | 1574 | 1058 | 314             | 247 | 383                | 314 |
| 250 MCM                                   | 8.76/345                       | 2.03/80                    | 43.2                        | 1.70 | 2749                           | 1848 | 1821 | 1224 | 344             | 271 | 409                | 339 |
| 350 MCM                                   | 8.76/345                       | 2.79/110                   | 45.7                        | 1.80 | 3516                           | 2363 | 2168 | 1457 | 408             | 325 | 461                | 394 |
| 500 MCM                                   | 8.76/345                       | 2.79/110                   | 50.5                        | 1.99 | 4752                           | 3194 | 2790 | 1875 | 480             | 392 | 510                | 452 |
| 750 MCM                                   | 8.76/345                       | 2.79/110                   | 55.4                        | 2.18 | 6561                           | 4410 | 3599 | 2419 | 561             | 476 | 573                | 517 |
| 1000 MCM                                  | 8.76/345                       | 2.79/110                   | 60.2                        | 2.37 | 8333                           | 5601 | 4447 | 2989 | 609             | 536 | 626                | 560 |



## Caledonian Medium Voltage Cables

| 35kV 100% Single Phase - Full Neutral     |                                |                            |                             |      |                                |      |      |      |                 |     |                    |     |
|-------------------------------------------|--------------------------------|----------------------------|-----------------------------|------|--------------------------------|------|------|------|-----------------|-----|--------------------|-----|
| Conductor                                 | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |                    |     |
|                                           |                                |                            |                             |      |                                |      |      |      | 90°C In Duct    |     | 90°C Direct Buried |     |
|                                           |                                |                            | (D)                         |      | CU                             |      | AL   |      | CU              | AL  | CU                 | AL  |
| 1/0 SOLID                                 | 0.67/420                       | 2.03/80                    | 39.4                        | 1.55 | 2062                           | 1386 | 1518 | 1020 | 215             | 168 | 276                | 217 |
| 1/0 AWG                                   | 0.67/420                       | 2.03/80                    | 40.1                        | 1.58 | 2120                           | 1425 | 1571 | 1056 | 217             | 169 | 278                | 218 |
| 2/0 AWG                                   | 0.67/420                       | 2.79/110                   | 43.7                        | 1.72 | 2592                           | 1742 | 1892 | 1272 | 248             | 194 | 316                | 249 |
| 3/0 AWG                                   | 0.67/420                       | 2.79/110                   | 45.0                        | 1.77 | 2947                           | 1981 | 2089 | 1404 | 281             | 220 | 358                | 283 |
| 4/0 AWG                                   | 0.67/420                       | 2.79/110                   | 47.5                        | 1.87 | 3450                           | 2319 | 2427 | 1631 | 319             | 252 | 402                | 321 |
| 250 MCM                                   | 0.67/420                       | 2.79/110                   | 49.0                        | 1.93 | -                              | -    | 2706 | 1819 | -               | 280 | -                  | 353 |
| 350 MCM                                   | 0.67/420                       | 2.79/110                   | 52.8                        | 2.08 | -                              | -    | 3293 | 2213 | -               | 331 | -                  | 416 |
| 35kV 100% Three Phase – One-Third Neutral |                                |                            |                             |      |                                |      |      |      |                 |     |                    |     |
| 1 SOLID                                   | 0.67/420                       | 2.03/80                    | 39.4                        | 1.55 | 1726                           | 1160 | 1343 | 903  | 216             | 168 | 277                | 219 |
| 1/0 AWG                                   | 0.67/420                       | 2.03/80                    | 40.1                        | 1.58 | 1781                           | 1197 | 1397 | 939  | 216             | 168 | 278                | 219 |
| 2/0 AWG                                   | 0.67/420                       | 2.03/80                    | 41.4                        | 1.63 | 1994                           | 1340 | 1506 | 1012 | 245             | 191 | 311                | 248 |
| 3/0 AWG                                   | 0.67/420                       | 2.79/110                   | 44.2                        | 1.74 | 2361                           | 1587 | 1747 | 1174 | 278             | 218 | 347                | 280 |
| 4/0 AWG                                   | 0.67/420                       | 2.79/110                   | 45.7                        | 1.80 | 2702                           | 1816 | 1915 | 1287 | 314             | 247 | 383                | 314 |
| 250 MCM                                   | 0.67/420                       | 2.79/110                   | 47.0                        | 1.85 | 3008                           | 2022 | 2080 | 1398 | 344             | 271 | 409                | 339 |
| 350 MCM                                   | 0.67/420                       | 2.79/110                   | 50.3                        | 1.98 | 3861                           | 2595 | 2507 | 1685 | 408             | 325 | 461                | 394 |
| 500 MCM                                   | 0.67/420                       | 2.79/110                   | 54.6                        | 2.15 | 5060                           | 3401 | 3090 | 2077 | 480             | 392 | 510                | 452 |
| 750 MCM                                   | 0.67/420                       | 2.79/110                   | 59.2                        | 2.33 | 6899                           | 4637 | 3928 | 2640 | 561             | 476 | 573                | 517 |
| 1000 MCM                                  | 0.67/420                       | 2.79/110                   | 64.3                        | 2.53 | 8698                           | 5846 | 4803 | 3228 | 609             | 536 | 626                | 560 |



# Addison Medium Voltage Cables



## EPR INSULATED CABLES MV-105 Wire Shielded Cables

| 5kV 100% Copper to ICEA Standard |                                |                            |                           |      |                                |      |      |      |                 |     |             |     |
|----------------------------------|--------------------------------|----------------------------|---------------------------|------|--------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                        | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm/in.) |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                                  |                                |                            |                           |      |                                |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                                  |                                |                            | (D)                       |      | CU                             |      | AL   |      | CU              | AL  | CU          | AL  |
| 4 AWG                            | 2.29/90                        | 1.52/60                    | 17.3                      | 0.68 | 445                            | 299  | 315  | 212  | 120             | 93  | 160         | 125 |
| 2 AWG                            | 2.29/90                        | 1.52/60                    | 18.5                      | 0.73 | 586                            | 394  | 379  | 255  | 155             | 125 | 215         | 165 |
| 1 AWG                            | 2.29/90                        | 1.52/60                    | 19.6                      | 0.77 | 683                            | 459  | 421  | 283  | 180             | 140 | 250         | 195 |
| 1/0 AWG                          | 2.29/90                        | 2.03/80                    | 20.6                      | 0.81 | 806                            | 542  | 473  | 318  | 210             | 160 | 290         | 225 |
| 2/0 AWG                          | 2.29/90                        | 2.03/80                    | 22.4                      | 0.88 | 1001                           | 673  | 585  | 393  | 235             | 185 | 330         | 260 |
| 3/0 AWG                          | 2.29/90                        | 2.03/80                    | 23.6                      | 0.93 | 1187                           | 798  | 662  | 445  | 270             | 210 | 385         | 300 |
| 4/0 AWG                          | 2.29/90                        | 2.03/80                    | 25.1                      | 0.99 | 1418                           | 953  | 759  | 510  | 310             | 245 | 445         | 350 |
| 250 MCM                          | 2.29/90                        | 2.03/80                    | 26.2                      | 1.03 | 1625                           | 1092 | 848  | 570  | 345             | 270 | 495         | 385 |
| 350 MCM                          | 2.29/90                        | 2.03/80                    | 28.7                      | 1.13 | 2142                           | 1440 | 1047 | 704  | 415             | 325 | 615         | 480 |
| 500 MCM                          | 2.29/90                        | 2.03/80                    | 32.3                      | 1.27 | 2924                           | 1965 | 1363 | 916  | 505             | 400 | 775         | 605 |
| 750 MCM                          | 2.29/90                        | 2.03/80                    | 37.1                      | 1.46 | 4227                           | 2841 | 1836 | 1234 | 630             | 505 | 1000        | 790 |
| 1000 MCM                         | 2.29/90                        | 2.79/110                   | 41.1                      | 1.62 | 5432                           | 3651 | 2302 | 1547 | 720             | 590 | 1200        | 950 |
| 5kV 133% to ICEA Standard        |                                |                            |                           |      |                                |      |      |      |                 |     |             |     |
| 4 AWG                            | 2.92/115                       | 1.52/60                    | 18.5                      | 0.73 | 487                            | 327  | 356  | 239  | 120             | 93  | 160         | 125 |
| 2 AWG                            | 2.92/115                       | 1.52/60                    | 19.8                      | 0.78 | 631                            | 424  | 424  | 285  | 155             | 125 | 215         | 165 |
| 1 AWG                            | 2.92/115                       | 1.52/60                    | 20.8                      | 0.82 | 728                            | 489  | 467  | 314  | 180             | 140 | 250         | 195 |
| 1/0 AWG                          | 2.92/115                       | 2.03/80                    | 22.9                      | 0.90 | 905                            | 608  | 571  | 384  | 210             | 160 | 290         | 225 |
| 2/0 AWG                          | 2.92/115                       | 2.03/80                    | 23.6                      | 0.93 | 1053                           | 708  | 637  | 428  | 235             | 185 | 330         | 260 |
| 3/0 AWG                          | 2.92/115                       | 2.03/80                    | 25.1                      | 0.99 | 1247                           | 838  | 722  | 485  | 270             | 210 | 385         | 300 |
| 4/0 AWG                          | 2.92/115                       | 2.03/80                    | 26.4                      | 1.04 | 1479                           | 994  | 818  | 550  | 310             | 245 | 445         | 350 |
| 250 MCM                          | 2.92/115                       | 2.03/80                    | 27.4                      | 1.08 | 1686                           | 1133 | 909  | 611  | 345             | 270 | 495         | 385 |
| 350 MCM                          | 2.92/115                       | 2.03/80                    | 30.0                      | 1.18 | 2209                           | 1485 | 1114 | 749  | 415             | 325 | 615         | 480 |
| 500 MCM                          | 2.92/115                       | 2.03/80                    | 33.5                      | 1.32 | 2999                           | 2016 | 1439 | 967  | 505             | 400 | 775         | 605 |
| 750 MCM                          | 2.92/115                       | 2.03/80                    | 38.4                      | 1.51 | 4315                           | 2900 | 1925 | 1294 | 630             | 505 | 1000        | 790 |
| 1000 MCM                         | 2.92/115                       | 2.79/110                   | 43.9                      | 1.73 | 5672                           | 3812 | 2541 | 1708 | 720             | 590 | 1200        | 950 |



## Caledonian Medium Voltage Cables

| 8kV 100% to ICEA Standard |                                |                            |                           |      |                                |      |      |      |                 |     |             |     |
|---------------------------|--------------------------------|----------------------------|---------------------------|------|--------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                 | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm/in.) |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                           |                                |                            |                           |      |                                |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                           |                                |                            | (D)                       |      | CU                             |      | AL   |      | CU              | AL  | CU          | AL  |
| 4 AWG                     | 2.92/115                       | 1.52/60                    | 18.5                      | 0.73 | 487                            | 327  | 356  | 239  | 125             | 98  | 165         | 130 |
| 2 AWG                     | 2.92/115                       | 1.52/60                    | 19.8                      | 0.78 | 631                            | 424  | 424  | 285  | 165             | 130 | 215         | 170 |
| 1 AWG                     | 2.92/115                       | 2.03/80                    | 20.8                      | 0.82 | 728                            | 489  | 467  | 314  | 185             | 145 | 250         | 195 |
| 1/0 AWG                   | 2.92/115                       | 2.03/80                    | 22.9                      | 0.90 | 905                            | 608  | 571  | 384  | 215             | 165 | 290         | 225 |
| 2/0 AWG                   | 2.92/115                       | 2.03/80                    | 23.6                      | 0.93 | 1053                           | 708  | 637  | 428  | 245             | 190 | 335         | 260 |
| 3/0 AWG                   | 2.92/115                       | 2.03/80                    | 25.1                      | 0.99 | 1247                           | 838  | 722  | 485  | 275             | 215 | 385         | 300 |
| 4/0 AWG                   | 2.92/115                       | 2.03/80                    | 26.4                      | 1.04 | 1479                           | 994  | 818  | 550  | 315             | 245 | 445         | 350 |
| 250 MCM                   | 2.92/115                       | 2.03/80                    | 27.4                      | 1.08 | 1686                           | 1133 | 909  | 611  | 345             | 270 | 495         | 385 |
| 350 MCM                   | 2.92/115                       | 2.03/80                    | 30.0                      | 1.18 | 2209                           | 1485 | 1114 | 749  | 415             | 330 | 610         | 480 |
| 500 MCM                   | 2.92/115                       | 2.03/80                    | 33.5                      | 1.32 | 2999                           | 2016 | 1439 | 967  | 500             | 400 | 765         | 600 |
| 750 MCM                   | 2.92/115                       | 2.03/80                    | 38.4                      | 1.51 | 4315                           | 2900 | 1925 | 1294 | 610             | 490 | 990         | 780 |
| 1000 MCM                  | 2.92/115                       | 2.79/110                   | 43.9                      | 1.73 | 5672                           | 3812 | 2541 | 1708 | 690             | 565 | 1185        | 940 |
| 8kV 133% to ICEA Standard |                                |                            |                           |      |                                |      |      |      |                 |     |             |     |
| 2 AWG                     | 3.56/140                       | 2.03/80                    | 21.1                      | 0.83 | 680                            | 457  | 473  | 318  | 165             | 130 | 215         | 170 |
| 1 AWG                     | 3.56/140                       | 2.03/80                    | 23.1                      | 0.91 | 827                            | 556  | 567  | 381  | 185             | 145 | 250         | 195 |
| 1/0 AWG                   | 3.56/140                       | 2.03/80                    | 24.4                      | 0.96 | 963                            | 647  | 623  | 419  | 215             | 165 | 290         | 225 |
| 2/0 AWG                   | 3.56/140                       | 2.03/80                    | 25.1                      | 0.99 | 1113                           | 748  | 695  | 467  | 245             | 190 | 335         | 260 |
| 3/0 AWG                   | 3.56/140                       | 2.03/80                    | 26.2                      | 1.03 | 1305                           | 877  | 780  | 524  | 275             | 215 | 385         | 300 |
| 4/0 AWG                   | 3.56/140                       | 2.03/80                    | 27.7                      | 1.09 | 1540                           | 1035 | 881  | 592  | 315             | 245 | 445         | 350 |
| 250 MCM                   | 3.56/140                       | 2.03/80                    | 28.7                      | 1.13 | 1753                           | 1178 | 976  | 656  | 345             | 270 | 495         | 385 |
| 350 MCM                   | 3.56/140                       | 2.03/80                    | 31.8                      | 1.25 | 2284                           | 1535 | 1189 | 799  | 415             | 330 | 610         | 480 |
| 500 MCM                   | 3.56/140                       | 2.03/80                    | 34.8                      | 1.37 | 3080                           | 2070 | 1519 | 1021 | 500             | 400 | 765         | 600 |
| 750 MCM                   | 3.56/140                       | 2.03/80                    | 39.6                      | 1.56 | 4404                           | 2960 | 2014 | 1354 | 610             | 490 | 990         | 780 |
| 1000 MCM                  | 3.56/140                       | 2.79/110                   | 45.2                      | 1.78 | 5774                           | 3881 | 2644 | 1777 | 690             | 565 | 1185        | 940 |

# Addison Medium Voltage Cables



| 15kV 100% to ICEA Standard |                                 |                             |                             |      |                                |      |      |      |                 |     |             |     |
|----------------------------|---------------------------------|-----------------------------|-----------------------------|------|--------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                  | Insulation Thickness (mm/ mils) | Sheath Thickness (mm/ mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                            |                                 |                             |                             |      |                                |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                            |                                 |                             | (D)                         |      | CU                             |      | AL   |      | CU              | AL  | CU          | AL  |
| 2 AWG                      | 4.45/175                        | 2.03/80                     | 23.9                        | 0.94 | 800                            | 538  | 594  | 399  | 165             | 130 | 215         | 170 |
| 1 AWG                      | 4.45/175                        | 2.03/80                     | 25.1                        | 0.99 | 908                            | 610  | 646  | 434  | 185             | 145 | 250         | 195 |
| 1/0 AWG                    | 4.45/175                        | 2.03/80                     | 25.9                        | 1.02 | 1040                           | 699  | 705  | 474  | 215             | 165 | 290         | 225 |
| 2/0 AWG                    | 4.45/175                        | 2.03/80                     | 26.7                        | 1.05 | 1195                           | 803  | 780  | 524  | 245             | 190 | 335         | 260 |
| 3/0 AWG                    | 4.45/175                        | 2.03/80                     | 27.9                        | 1.10 | 1391                           | 935  | 866  | 582  | 275             | 215 | 385         | 300 |
| 4/0 AWG                    | 4.45/175                        | 2.03/80                     | 29.5                        | 1.16 | 1634                           | 1098 | 973  | 654  | 315             | 245 | 445         | 350 |
| 250 MCM                    | 4.45/175                        | 2.03/80                     | 31.0                        | 1.22 | 1852                           | 1245 | 1074 | 722  | 345             | 270 | 495         | 385 |
| 350 MCM                    | 4.45/175                        | 2.03/80                     | 33.5                        | 1.32 | 2412                           | 1621 | 1317 | 885  | 415             | 330 | 610         | 480 |
| 500 MCM                    | 4.45/175                        | 2.03/80                     | 37.1                        | 1.46 | 3200                           | 2151 | 1640 | 1102 | 500             | 400 | 765         | 600 |
| 750 MCM                    | 4.45/175                        | 2.79/110                    | 41.4                        | 1.63 | 4533                           | 3047 | 2144 | 1441 | 610             | 490 | 990         | 780 |
| 1000 MCM                   | 4.45/175                        | 2.79/110                    | 47.8                        | 1.88 | 5963                           | 4008 | 2833 | 1904 | 690             | 565 | 1185        | 940 |
| 15kV 133% to ICEA Standard |                                 |                             |                             |      |                                |      |      |      |                 |     |             |     |
| 2 AWG                      | 5.59/220                        | 2.03/80                     | 26.2                        | 1.03 | 908                            | 610  | 701  | 471  | 165             | 130 | 215         | 170 |
| 1 AWG                      | 5.59/220                        | 2.03/80                     | 27.2                        | 1.07 | 1015                           | 682  | 753  | 506  | 185             | 145 | 250         | 195 |
| 1/0 AWG                    | 5.59/220                        | 2.03/80                     | 28.4                        | 1.12 | 1156                           | 777  | 818  | 550  | 215             | 165 | 290         | 225 |
| 2/0 AWG                    | 5.59/220                        | 2.03/80                     | 29.0                        | 1.14 | 1312                           | 882  | 896  | 602  | 245             | 190 | 335         | 260 |
| 3/0 AWG                    | 5.59/220                        | 2.03/80                     | 30.5                        | 1.20 | 1516                           | 1019 | 992  | 667  | 275             | 215 | 385         | 300 |
| 4/0 AWG                    | 5.59/220                        | 2.03/80                     | 31.8                        | 1.25 | 1760                           | 1183 | 1101 | 740  | 315             | 245 | 445         | 350 |
| 250 MCM                    | 5.59/220                        | 2.03/80                     | 33.3                        | 1.31 | 2007                           | 1349 | 1230 | 827  | 345             | 270 | 495         | 385 |
| 350 MCM                    | 5.59/220                        | 2.03/80                     | 35.8                        | 1.41 | 2556                           | 1718 | 1461 | 982  | 415             | 330 | 610         | 480 |
| 500 MCM                    | 5.59/220                        | 2.03/80                     | 39.1                        | 1.54 | 3356                           | 2256 | 1796 | 1207 | 500             | 400 | 765         | 600 |
| 750 MCM                    | 5.59/220                        | 2.79/110                    | 45.2                        | 1.78 | 4858                           | 3265 | 2468 | 1659 | 610             | 490 | 990         | 780 |
| 1000 MCM                   | 5.59/220                        | 2.79/110                    | 49.5                        | 1.95 | 6163                           | 4142 | 3032 | 2038 | 690             | 565 | 1185        | 940 |



# Caledonian Medium Voltage Cables

| 25kV 100% to ICEA Standard |                                |                            |                             |      |                                |      |      |      |                 |     |             |     |
|----------------------------|--------------------------------|----------------------------|-----------------------------|------|--------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                  | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                            |                                |                            |                             |      |                                |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                            |                                |                            | (D)                         |      | CU                             |      | AL   |      | CU              | AL  | CU          | AL  |
| 1 AWG                      | 6.60/260                       | 2.03/80                    | 29.2                        | 1.15 | 1119                           | 752  | 857  | 576  | 185             | 145 | 250         | 195 |
| 1/0 AWG                    | 6.60/260                       | 2.03/80                    | 30.5                        | 1.20 | 1266                           | 851  | 925  | 622  | 215             | 165 | 290         | 225 |
| 2/0 AWG                    | 6.60/260                       | 2.03/80                    | 31.2                        | 1.23 | 1425                           | 958  | 1010 | 679  | 245             | 190 | 330         | 260 |
| 3/0 AWG                    | 6.60/260                       | 2.03/80                    | 32.8                        | 1.29 | 1654                           | 1112 | 1131 | 760  | 275             | 215 | 380         | 300 |
| 4/0 AWG                    | 6.60/260                       | 2.03/80                    | 34.0                        | 1.34 | 1907                           | 1282 | 1247 | 838  | 315             | 245 | 445         | 345 |
| 250 MCM                    | 6.60/260                       | 2.03/80                    | 35.3                        | 1.39 | 2135                           | 1435 | 1357 | 912  | 345             | 270 | 490         | 380 |
| 350 MCM                    | 6.60/260                       | 2.03/80                    | 38.1                        | 1.50 | 2696                           | 1812 | 1601 | 1076 | 415             | 330 | 605         | 475 |
| 500 MCM                    | 6.60/260                       | 2.79/110                   | 41.1                        | 1.62 | 3502                           | 2354 | 1942 | 1305 | 500             | 400 | 755         | 590 |
| 750 MCM                    | 6.60/260                       | 2.79/110                   | 48.0                        | 1.89 | 5070                           | 3408 | 2681 | 1802 | 610             | 490 | 970         | 765 |
| 1000 MCM                   | 6.60/260                       | 2.79/110                   | 51.6                        | 2.03 | 6348                           | 4267 | 3218 | 2163 | 690             | 565 | 1160        | 920 |
| 25kV 133% to ICEA Standard |                                |                            |                             |      |                                |      |      |      |                 |     |             |     |
| 1/0 AWG                    | 8.76/345                       | 2.03/80                    | 35.1                        | 1.38 | 1550                           | 1042 | 1214 | 816  | 215             | 165 | 290         | 225 |
| 2/0 AWG                    | 8.76/345                       | 2.03/80                    | 35.8                        | 1.41 | 1718                           | 1155 | 1305 | 877  | 245             | 190 | 330         | 260 |
| 3/0 AWG                    | 8.76/345                       | 2.03/80                    | 37.3                        | 1.47 | 1939                           | 1303 | 1413 | 950  | 275             | 215 | 380         | 300 |
| 4/0 AWG                    | 8.76/345                       | 2.03/80                    | 38.9                        | 1.53 | 2205                           | 1482 | 1546 | 1039 | 315             | 245 | 445         | 345 |
| 250 MCM                    | 8.76/345                       | 2.03/80                    | 40.1                        | 1.58 | 2440                           | 1640 | 1663 | 1118 | 345             | 270 | 490         | 380 |
| 350 MCM                    | 8.76/345                       | 2.79/110                   | 44.2                        | 1.74 | 3163                           | 2126 | 2068 | 1390 | 415             | 330 | 605         | 475 |
| 500 MCM                    | 8.76/345                       | 2.79/110                   | 47.8                        | 1.88 | 4044                           | 2718 | 2483 | 1669 | 500             | 400 | 755         | 590 |
| 750 MCM                    | 8.76/345                       | 2.79/110                   | 52.1                        | 2.05 | 5468                           | 3675 | 3078 | 2069 | 610             | 490 | 970         | 765 |
| 1000 MCM                   | 8.76/345                       | 2.79/110                   | 56.4                        | 2.22 | 6789                           | 4563 | 3657 | 2458 | 690             | 565 | 1160        | 920 |

# Addison Medium Voltage Cables



| 35kV 100% to ICEA Standard |                                |                            |                             |      |                                |      |      |      |                 |     |             |     |
|----------------------------|--------------------------------|----------------------------|-----------------------------|------|--------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                  | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                            |                                |                            |                             |      |                                |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                            |                                |                            | (D)                         |      | CU                             |      | AL   |      | CU              | AL  | CU          | AL  |
| 1/0 AWG                    | 8.76/345                       | 2.03/80                    | 34.8                        | 1.37 | 1550                           | 1042 | 1214 | 816  | 215             | 165 | 290         | 225 |
| 2/0 AWG                    | 8.76/345                       | 2.03/80                    | 36.1                        | 1.42 | 1718                           | 1155 | 1305 | 877  | 245             | 190 | 330         | 260 |
| 3/0 AWG                    | 8.76/345                       | 2.03/80                    | 37.3                        | 1.47 | 1939                           | 1303 | 1413 | 950  | 275             | 215 | 380         | 300 |
| 4/0 AWG                    | 8.76/345                       | 2.03/80                    | 38.9                        | 1.53 | 2205                           | 1482 | 1546 | 1039 | 315             | 245 | 445         | 345 |
| 250 MCM                    | 8.76/345                       | 2.03/80                    | 40.1                        | 1.58 | 2440                           | 1640 | 1663 | 1118 | 345             | 270 | 490         | 380 |
| 350 MCM                    | 8.76/345                       | 2.79/110                   | 44.2                        | 1.74 | 3163                           | 2126 | 2068 | 1390 | 415             | 330 | 605         | 475 |
| 500 MCM                    | 8.76/345                       | 2.79/110                   | 47.8                        | 1.88 | 4044                           | 2718 | 2483 | 1669 | 500             | 400 | 755         | 590 |
| 750 MCM                    | 8.76/345                       | 2.79/110                   | 52.1                        | 2.05 | 5468                           | 3675 | 3078 | 2069 | 610             | 490 | 970         | 765 |
| 1000 MCM                   | 8.76/345                       | 2.79/110                   | 56.4                        | 2.22 | 6789                           | 4563 | 3657 | 2458 | 690             | 565 | 1160        | 920 |
| 35kV 133% to ICEA Standard |                                |                            |                             |      |                                |      |      |      |                 |     |             |     |
| 1/0 AWG                    | 10.67/420                      | 2.03/80                    | 38.9                        | 1.53 | 1811                           | 1217 | 1474 | 991  | 215             | 165 | 290         | 225 |
| 2/0 AWG                    | 10.67/420                      | 2.03/80                    | 40.1                        | 1.58 | 1986                           | 1335 | 1571 | 1056 | 245             | 190 | 330         | 260 |
| 3/0 AWG                    | 10.67/420                      | 2.03/80                    | 41.1                        | 1.62 | 2209                           | 1485 | 1684 | 1132 | 275             | 215 | 380         | 300 |
| 4/0 AWG                    | 10.67/420                      | 2.79/110                   | 44.2                        | 1.74 | 2629                           | 1767 | 1968 | 1323 | 315             | 245 | 445         | 345 |
| 250 MCM                    | 10.67/420                      | 2.79/110                   | 45.5                        | 1.79 | 2876                           | 1933 | 2099 | 1411 | 345             | 270 | 490         | 380 |
| 350 MCM                    | 10.67/420                      | 2.79/110                   | 48.5                        | 1.91 | 3522                           | 2367 | 2427 | 1631 | 415             | 330 | 605         | 475 |
| 500 MCM                    | 10.67/420                      | 2.79/110                   | 51.3                        | 2.02 | 4383                           | 2946 | 2822 | 1897 | 500             | 400 | 755         | 590 |
| 750 MCM                    | 10.67/420                      | 2.79/110                   | 55.9                        | 2.20 | 5843                           | 3927 | 3453 | 2321 | 610             | 765 | 970         | 765 |
| 1000 MCM                   | 10.67/420                      | 2.79/110                   | 60.2                        | 2.37 | 7192                           | 4834 | 4062 | 2730 | 690             | 920 | 1160        | 920 |



# Caledonian Medium Voltage Cables

## Tape Shielded Cables

| 5kV 100% Copper to ICEA Standard |                                |                            |                           |      |                                |      |      |      |                 |     |             |     |
|----------------------------------|--------------------------------|----------------------------|---------------------------|------|--------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                        | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm/in.) |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                                  |                                |                            |                           |      |                                |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                                  |                                |                            | (D)                       |      | CU                             |      | AL   |      | CU              | AL  | CU          | AL  |
| 4 AWG                            | 2.29/90                        | 1.52/60                    | 16.5                      | 0.65 | 481                            | 323  | 350  | 235  | 120             | 93  | 160         | 125 |
| 2 AWG                            | 2.29/90                        | 1.52/60                    | 17.8                      | 0.70 | 626                            | 421  | 420  | 282  | 155             | 125 | 215         | 165 |
| 1 AWG                            | 2.29/90                        | 1.52/60                    | 18.5                      | 0.73 | 725                            | 487  | 463  | 311  | 180             | 140 | 250         | 195 |
| 1/0 AWG                          | 2.29/90                        | 1.52/60                    | 19.6                      | 0.77 | 853                            | 573  | 519  | 349  | 210             | 160 | 290         | 225 |
| 2/0 AWG                          | 2.29/90                        | 2.03/80                    | 20.6                      | 0.81 | 1001                           | 673  | 585  | 393  | 235             | 185 | 330         | 260 |
| 3/0 AWG                          | 2.29/90                        | 2.03/80                    | 22.6                      | 0.89 | 1239                           | 833  | 714  | 480  | 270             | 210 | 385         | 300 |
| 4/0 AWG                          | 2.29/90                        | 2.03/80                    | 24.1                      | 0.95 | 1474                           | 991  | 814  | 547  | 310             | 245 | 445         | 350 |
| 250 MCM                          | 2.29/90                        | 2.03/80                    | 25.4                      | 1.00 | 1684                           | 1132 | 908  | 610  | 345             | 270 | 495         | 385 |
| 350 MCM                          | 2.29/90                        | 2.03/80                    | 27.9                      | 1.10 | 2209                           | 1485 | 1116 | 750  | 415             | 325 | 615         | 480 |
| 500 MCM                          | 2.29/90                        | 2.03/80                    | 31.5                      | 1.24 | 3002                           | 2018 | 1442 | 969  | 505             | 400 | 775         | 605 |
| 750 MCM                          | 2.29/90                        | 2.03/80                    | 36.1                      | 1.42 | 4319                           | 2903 | 1930 | 1297 | 630             | 505 | 1000        | 790 |
| 1000 MCM                         | 2.29/90                        | 2.03/80                    | 39.9                      | 1.57 | 5538                           | 3722 | 2407 | 1618 | 720             | 590 | 1200        | 950 |
| 5kV 133% to ICEA Standard        |                                |                            |                           |      |                                |      |      |      |                 |     |             |     |
| 4 AWG                            | 2.92/115                       | 1.52/60                    | 17.8                      | 0.70 | 527                            | 354  | 396  | 266  | 120             | 93  | 160         | 125 |
| 2 AWG                            | 2.92/115                       | 1.52/60                    | 19.1                      | 0.75 | 675                            | 454  | 469  | 315  | 155             | 125 | 215         | 165 |
| 1 AWG                            | 2.92/115                       | 1.52/60                    | 19.8                      | 0.78 | 775                            | 521  | 515  | 346  | 180             | 140 | 250         | 195 |
| 1/0 AWG                          | 2.92/115                       | 1.52/60                    | 20.8                      | 0.82 | 906                            | 609  | 571  | 384  | 210             | 160 | 290         | 225 |
| 2/0 AWG                          | 2.92/115                       | 2.03/80                    | 22.9                      | 0.90 | 1105                           | 743  | 689  | 463  | 235             | 185 | 330         | 260 |
| 3/0 AWG                          | 2.92/115                       | 2.03/80                    | 23.9                      | 0.94 | 1300                           | 874  | 775  | 521  | 270             | 210 | 385         | 300 |
| 4/0 AWG                          | 2.92/115                       | 2.03/80                    | 25.4                      | 1.00 | 1538                           | 1034 | 878  | 590  | 310             | 245 | 445         | 350 |
| 250 MCM                          | 2.92/115                       | 2.03/80                    | 26.7                      | 1.05 | 1751                           | 1177 | 975  | 655  | 345             | 270 | 495         | 385 |
| 350 MCM                          | 2.92/115                       | 2.03/80                    | 29.2                      | 1.15 | 2282                           | 1534 | 1187 | 798  | 415             | 325 | 615         | 480 |
| 500 MCM                          | 2.92/115                       | 2.03/80                    | 32.8                      | 1.29 | 3084                           | 2073 | 1524 | 1024 | 505             | 400 | 775         | 605 |
| 750 MCM                          | 2.92/115                       | 2.03/80                    | 37.3                      | 1.47 | 4410                           | 2964 | 2020 | 1358 | 630             | 505 | 1000        | 790 |
| 1000 MCM                         | 2.92/115                       | 2.03/80                    | 41.1                      | 1.62 | 5637                           | 3789 | 2507 | 1685 | 720             | 590 | 1200        | 950 |



# Addison Medium Voltage Cables



| 8kV 100% to ICEA Standard |                                |                            |                           |      |                                |      |      |      |                 |     |             |     |
|---------------------------|--------------------------------|----------------------------|---------------------------|------|--------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                 | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm/in.) |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                           |                                |                            |                           |      |                                |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                           |                                |                            | (D)                       |      | CU                             |      | AL   |      | CU              | AL  | CU          | AL  |
| 4 AWG                     | 2.92/115                       | 1.52/60                    | 17.8                      | 0.70 | 527                            | 354  | 396  | 266  | 125             | 98  | 165         | 130 |
| 2 AWG                     | 2.92/115                       | 1.52/60                    | 19.1                      | 0.75 | 675                            | 454  | 469  | 315  | 165             | 130 | 215         | 170 |
| 1 AWG                     | 2.92/115                       | 1.52/60                    | 19.8                      | 0.78 | 775                            | 521  | 515  | 346  | 185             | 145 | 250         | 195 |
| 1/0 AWG                   | 2.92/115                       | 2.03/80                    | 20.8                      | 0.82 | 906                            | 609  | 571  | 384  | 215             | 165 | 290         | 225 |
| 2/0 AWG                   | 2.92/115                       | 2.03/80                    | 22.9                      | 0.90 | 1105                           | 743  | 689  | 463  | 245             | 190 | 335         | 260 |
| 3/0 AWG                   | 2.92/115                       | 2.03/80                    | 23.9                      | 0.94 | 1300                           | 874  | 775  | 521  | 275             | 215 | 385         | 300 |
| 4/0 AWG                   | 2.92/115                       | 2.03/80                    | 25.4                      | 1.00 | 1538                           | 1034 | 878  | 590  | 315             | 245 | 445         | 350 |
| 250 MCM                   | 2.92/115                       | 2.03/80                    | 26.7                      | 1.05 | 1751                           | 1177 | 975  | 655  | 345             | 270 | 495         | 385 |
| 350 MCM                   | 2.92/115                       | 2.03/80                    | 29.2                      | 1.15 | 2282                           | 1534 | 1187 | 798  | 415             | 330 | 610         | 480 |
| 500 MCM                   | 2.92/115                       | 2.03/80                    | 32.8                      | 1.29 | 3084                           | 2073 | 1524 | 1024 | 500             | 400 | 765         | 600 |
| 750 MCM                   | 2.92/115                       | 2.03/80                    | 37.3                      | 1.47 | 4410                           | 2964 | 2020 | 1358 | 610             | 490 | 990         | 780 |
| 1000 MCM                  | 2.92/115                       | 2.80/110                   | 41.1                      | 1.62 | 5637                           | 3789 | 1132 | 1685 | 690             | 565 | 1185        | 940 |
| 8kV 133% to ICEA Standard |                                |                            |                           |      |                                |      |      |      |                 |     |             |     |
| 2 AWG                     | 3.56/140                       | 1.52/60                    | 20.3                      | 0.80 | 728                            | 489  | 521  | 350  | 165             | 130 | 215         | 170 |
| 1 AWG                     | 3.56/140                       | 2.03/80                    | 21.1                      | 0.83 | 829                            | 557  | 568  | 382  | 185             | 145 | 250         | 195 |
| 1/0 AWG                   | 3.56/140                       | 2.03/80                    | 23.1                      | 0.91 | 1012                           | 680  | 677  | 455  | 215             | 165 | 290         | 225 |
| 2/0 AWG                   | 3.56/140                       | 2.03/80                    | 24.1                      | 0.95 | 1166                           | 784  | 750  | 504  | 245             | 190 | 335         | 260 |
| 3/0 AWG                   | 3.56/140                       | 2.03/80                    | 25.1                      | 0.99 | 1363                           | 916  | 839  | 564  | 275             | 215 | 385         | 300 |
| 4/0 AWG                   | 3.56/140                       | 2.03/80                    | 26.7                      | 1.05 | 1605                           | 1079 | 945  | 635  | 315             | 245 | 445         | 350 |
| 250 MCM                   | 3.56/140                       | 2.03/80                    | 27.9                      | 1.10 | 1821                           | 1224 | 1043 | 701  | 345             | 270 | 495         | 385 |
| 350 MCM                   | 3.56/140                       | 2.03/80                    | 30.5                      | 1.20 | 2358                           | 1585 | 1263 | 849  | 415             | 330 | 610         | 480 |
| 500 MCM                   | 3.56/140                       | 2.03/80                    | 34.0                      | 1.34 | 3168                           | 2129 | 1607 | 1080 | 500             | 400 | 765         | 600 |
| 750 MCM                   | 3.56/140                       | 2.03/80                    | 38.6                      | 1.52 | 4504                           | 3027 | 2114 | 1421 | 610             | 490 | 990         | 780 |
| 1000 MCM                  | 3.56/140                       | 2.80/110                   | 43.9                      | 1.73 | 5884                           | 3955 | 2754 | 1851 | 690             | 565 | 1185        | 940 |



# Caledonian Medium Voltage Cables

| 15kV 100% to ICEA Standard |                                 |                             |                             |      |                                |      |      |      |                 |     |             |     |
|----------------------------|---------------------------------|-----------------------------|-----------------------------|------|--------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                  | Insulation Thickness (mm/ mils) | Sheath Thickness (mm/ mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                            |                                 |                             |                             |      |                                |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                            |                                 |                             | (D)                         |      | CU                             |      | AL   |      | CU              | AL  | CU          | AL  |
| 2 AWG                      | 4.45/175                        | 2.03/80                     | 21.6                        | 0.85 | 781                            | 525  | 647  | 435  | 165             | 130 | 215         | 170 |
| 1 AWG                      | 4.45/175                        | 2.03/80                     | 23.1                        | 0.91 | 922                            | 620  | 699  | 470  | 185             | 145 | 250         | 195 |
| 1/0 AWG                    | 4.45/175                        | 2.03/80                     | 24.1                        | 0.95 | 1059                           | 712  | 765  | 514  | 215             | 165 | 290         | 225 |
| 2/0 AWG                    | 4.45/175                        | 2.03/80                     | 25.1                        | 0.99 | 1216                           | 817  | 841  | 565  | 245             | 190 | 335         | 260 |
| 3/0 AWG                    | 4.45/175                        | 2.03/80                     | 26.2                        | 1.03 | 1415                           | 951  | 933  | 627  | 275             | 215 | 385         | 300 |
| 4/0 AWG                    | 4.45/175                        | 2.03/80                     | 27.7                        | 1.09 | 1659                           | 1115 | 1043 | 701  | 315             | 245 | 445         | 350 |
| 250 MCM                    | 4.45/175                        | 2.03/80                     | 29.0                        | 1.14 | 1878                           | 1262 | 1146 | 770  | 345             | 270 | 495         | 385 |
| 350 MCM                    | 4.45/175                        | 2.03/80                     | 31.5                        | 1.24 | 2419                           | 1626 | 1402 | 942  | 415             | 330 | 610         | 480 |
| 500 MCM                    | 4.45/175                        | 2.03/80                     | 35.1                        | 1.38 | 3233                           | 2173 | 1729 | 1162 | 500             | 400 | 765         | 600 |
| 750 MCM                    | 4.45/175                        | 2.03/80                     | 39.6                        | 1.56 | 4578                           | 3077 | 2251 | 1513 | 610             | 490 | 990         | 780 |
| 1000 MCM                   | 4.45/175                        | 2.80/110                    | 45.0                        | 1.77 | 5968                           | 4011 | 2946 | 1980 | 690             | 565 | 1185        | 940 |
| 15kV 133% to ICEA Standard |                                 |                             |                             |      |                                |      |      |      |                 |     |             |     |
| 2 AWG                      | 5.59/220                        | 2.03/80                     | 25.4                        | 1.00 | 967                            | 650  | 760  | 511  | 165             | 130 | 215         | 170 |
| 1 AWG                      | 5.59/220                        | 2.03/80                     | 26.2                        | 1.03 | 1077                           | 724  | 815  | 548  | 185             | 145 | 250         | 195 |
| 1/0 AWG                    | 5.59/220                        | 2.03/80                     | 27.2                        | 1.07 | 1220                           | 820  | 884  | 594  | 215             | 165 | 290         | 225 |
| 2/0 AWG                    | 5.59/220                        | 2.03/80                     | 28.2                        | 1.11 | 1381                           | 928  | 966  | 649  | 245             | 190 | 335         | 260 |
| 3/0 AWG                    | 5.59/220                        | 2.03/80                     | 29.2                        | 1.15 | 1587                           | 1067 | 1062 | 714  | 275             | 215 | 385         | 300 |
| 4/0 AWG                    | 5.59/220                        | 2.03/80                     | 30.7                        | 1.21 | 1839                           | 1236 | 1178 | 792  | 315             | 245 | 445         | 350 |
| 250 MCM                    | 5.59/220                        | 2.03/80                     | 32.5                        | 1.28 | 2090                           | 1405 | 1314 | 883  | 345             | 270 | 495         | 385 |
| 350 MCM                    | 5.59/220                        | 2.03/80                     | 35.1                        | 1.38 | 2648                           | 1780 | 1553 | 1044 | 415             | 330 | 610         | 480 |
| 500 MCM                    | 5.59/220                        | 2.03/80                     | 38.1                        | 1.50 | 3455                           | 2322 | 1894 | 1273 | 500             | 400 | 765         | 600 |
| 750 MCM                    | 5.59/220                        | 2.80/110                    | 44.2                        | 1.74 | 4969                           | 3340 | 2578 | 1733 | 610             | 490 | 990         | 780 |
| 1000 MCM                   | 5.59/220                        | 2.80/110                    | 48.5                        | 1.91 | 6286                           | 4225 | 3156 | 2121 | 690             | 565 | 1185        | 940 |

# Addison Medium Voltage Cables



| 25kV 100% to ICEA Standard |                                |                            |                             |      |                                |      |      |      |                 |     |             |     |
|----------------------------|--------------------------------|----------------------------|-----------------------------|------|--------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                  | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                            |                                |                            |                             |      |                                |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                            |                                |                            | (D)                         |      | CU                             |      | AL   |      | CU              | AL  | CU          | AL  |
| 1 AWG                      | 6.60/260                       | 2.03/80                    | 28.2                        | 1.11 | 1189                           | 799  | 927  | 623  | 185             | 145 | 250         | 195 |
| 1/0 AWG                    | 6.60/260                       | 2.03/80                    | 29.2                        | 1.15 | 1335                           | 897  | 1000 | 672  | 215             | 165 | 290         | 225 |
| 2/0 AWG                    | 6.60/260                       | 2.03/80                    | 30.2                        | 1.19 | 1500                           | 1008 | 1085 | 729  | 245             | 190 | 330         | 260 |
| 3/0 AWG                    | 6.60/260                       | 2.03/80                    | 31.8                        | 1.25 | 1736                           | 1167 | 1211 | 814  | 275             | 215 | 380         | 300 |
| 4/0 AWG                    | 6.60/260                       | 2.03/80                    | 33.3                        | 1.31 | 1994                           | 1340 | 1335 | 897  | 315             | 245 | 445         | 345 |
| 250 MCM                    | 6.60/260                       | 2.03/80                    | 34.5                        | 1.36 | 2224                           | 1495 | 1448 | 973  | 345             | 270 | 490         | 380 |
| 350 MCM                    | 6.60/260                       | 2.03/80                    | 37.1                        | 1.46 | 2793                           | 1877 | 1698 | 1141 | 415             | 330 | 605         | 475 |
| 500 MCM                    | 6.60/260                       | 2.03/80                    | 40.1                        | 1.58 | 3609                           | 2426 | 2049 | 1377 | 500             | 400 | 755         | 590 |
| 750 MCM                    | 6.60/260                       | 2.80/110                   | 46.5                        | 1.83 | 5185                           | 3485 | 2796 | 1879 | 610             | 490 | 970         | 765 |
| 1000 MCM                   | 6.60/260                       | 2.80/110                   | 50.5                        | 1.99 | 6481                           | 4356 | 3349 | 2251 | 690             | 565 | 1160        | 920 |
| 25kV 133% to ICEA Standard |                                |                            |                             |      |                                |      |      |      |                 |     |             |     |
| 1/0 AWG                    | 8.76/345                       | 2.03/80                    | 34.0                        | 1.34 | 1640                           | 1102 | 1302 | 875  | 215             | 165 | 290         | 225 |
| 2/0 AWG                    | 8.76/345                       | 2.03/80                    | 35.1                        | 1.38 | 1811                           | 1217 | 1397 | 939  | 245             | 190 | 330         | 260 |
| 3/0 AWG                    | 8.76/345                       | 2.03/80                    | 36.1                        | 1.42 | 2032                           | 1366 | 1507 | 1013 | 275             | 215 | 380         | 300 |
| 4/0 AWG                    | 8.76/345                       | 2.03/80                    | 37.6                        | 1.48 | 2302                           | 1547 | 1641 | 1103 | 315             | 245 | 445         | 345 |
| 250 MCM                    | 8.76/345                       | 2.03/80                    | 38.9                        | 1.53 | 2543                           | 1709 | 1765 | 1186 | 345             | 270 | 490         | 380 |
| 350 MCM                    | 8.76/345                       | 2.03/80                    | 41.4                        | 1.63 | 3130                           | 2104 | 2035 | 1368 | 415             | 330 | 605         | 475 |
| 500 MCM                    | 8.76/345                       | 2.80/110                   | 46.5                        | 1.83 | 4157                           | 2794 | 2596 | 1745 | 500             | 400 | 755         | 590 |
| 750 MCM                    | 8.76/345                       | 2.80/110                   | 51.1                        | 2.01 | 5602                           | 3765 | 3212 | 2159 | 610             | 490 | 970         | 765 |
| 1000 MCM                   | 8.76/345                       | 2.80/110                   | 54.9                        | 2.16 | 6929                           | 4657 | 3798 | 2553 | 690             | 565 | 1160        | 920 |



## Caledonian Medium Voltage Cables

| 35kV 100% to ICEA Standard |                                |                            |                             |      |                                |      |      |      |                 |     |             |     |
|----------------------------|--------------------------------|----------------------------|-----------------------------|------|--------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                  | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                            |                                |                            |                             |      |                                |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                            |                                |                            | (D)                         |      | CU                             |      | AL   |      | CU              | AL  | CU          | AL  |
| 1/0 AWG                    | 8.76/345                       | 2.03/80                    | 34.0                        | 1.34 | 1640                           | 1102 | 1302 | 875  | 215             | 165 | 290         | 225 |
| 2/0 AWG                    | 8.76/345                       | 2.03/80                    | 35.1                        | 1.38 | 1811                           | 1217 | 1397 | 939  | 245             | 190 | 330         | 260 |
| 3/0 AWG                    | 8.76/345                       | 2.03/80                    | 36.1                        | 1.42 | 2032                           | 1366 | 1507 | 1013 | 275             | 215 | 380         | 300 |
| 4/0 AWG                    | 8.76/345                       | 2.03/80                    | 37.6                        | 1.48 | 2302                           | 1547 | 1641 | 1103 | 315             | 245 | 445         | 345 |
| 250 MCM                    | 8.76/345                       | 2.03/80                    | 38.9                        | 1.53 | 2543                           | 1709 | 1765 | 1186 | 345             | 270 | 490         | 380 |
| 350 MCM                    | 8.76/345                       | 2.03/80                    | 41.4                        | 1.63 | 3130                           | 2104 | 2035 | 1368 | 415             | 330 | 605         | 475 |
| 500 MCM                    | 8.76/345                       | 2.80/110                   | 46.5                        | 1.83 | 4157                           | 2794 | 2596 | 1745 | 500             | 400 | 755         | 590 |
| 750 MCM                    | 8.76/345                       | 2.80/110                   | 51.1                        | 2.01 | 5602                           | 3765 | 3212 | 2159 | 610             | 490 | 970         | 765 |
| 1000 MCM                   | 8.76/345                       | 2.80/110                   | 54.9                        | 2.16 | 6929                           | 4657 | 3798 | 2553 | 690             | 565 | 1160        | 920 |
| 35kV 133% to ICEA Standard |                                |                            |                             |      |                                |      |      |      |                 |     |             |     |
| 1/0 AWG                    | 10.67/420                      | 2.03/80                    | 37.8                        | 1.49 | 1909                           | 1283 | 1571 | 1056 | 215             | 165 | 290         | 225 |
| 2/0 AWG                    | 10.67/420                      | 2.03/80                    | 38.9                        | 1.53 | 2087                           | 1403 | 1674 | 1125 | 245             | 190 | 330         | 260 |
| 3/0 AWG                    | 10.67/420                      | 2.03/80                    | 39.9                        | 1.57 | 2315                           | 1556 | 1791 | 1204 | 275             | 215 | 380         | 300 |
| 4/0 AWG                    | 10.67/420                      | 2.03/80                    | 41.4                        | 1.63 | 2595                           | 1744 | 1936 | 1301 | 315             | 245 | 445         | 345 |
| 250 MCM                    | 10.67/420                      | 2.80/110                   | 44.2                        | 1.74 | 2988                           | 2008 | 2211 | 1486 | 345             | 270 | 490         | 380 |
| 350 MCM                    | 10.67/420                      | 2.80/110                   | 47.2                        | 1.86 | 3639                           | 2446 | 2544 | 1710 | 415             | 330 | 605         | 475 |
| 500 MCM                    | 10.67/420                      | 2.80/110                   | 50.3                        | 1.98 | 4514                           | 3034 | 2953 | 1985 | 500             | 400 | 755         | 590 |
| 750 MCM                    | 10.67/420                      | 2.80/110                   | 54.9                        | 2.16 | 5990                           | 4026 | 3600 | 2420 | 610             | 490 | 970         | 765 |
| 1000 MCM                   | 10.67/420                      | 2.80/110                   | 58.7                        | 2.31 | 7344                           | 4936 | 4212 | 2831 | 690             | 565 | 1160        | 920 |

# Addison Medium Voltage Cables



## Concentric Neutral Cables

| 5kV 100% Single Phase - Full Neutral     |                                   |                               |                                |      |      |      |                                   |      |      |      |                 |     |             |     |
|------------------------------------------|-----------------------------------|-------------------------------|--------------------------------|------|------|------|-----------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                                | Insulation Thickness<br>(mm/mils) | Sheath Thickness<br>(mm/mils) | Overall Diameter<br>(mm / in.) |      |      |      | Cable Weight<br>(kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                                          |                                   |                               |                                |      |      |      |                                   |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                                          |                                   |                               | CU                             |      | AL   |      | CU                                |      | AL   |      | CU              | AL  | CU          | AL  |
| 2 SOLID                                  | 2.29/90                           | 1.52/60                       | 20.3                           | 0.80 | 20.3 | 0.80 | 872                               | 586  | 559  | 376  | 165             | 130 | 232         |     |
| 2 AWG                                    | 2.29/90                           | 2.03/80                       | 20.8                           | 0.82 | 20.8 | 0.82 | 894                               | 601  | 583  | 392  | 167             | 131 | 234         |     |
| 1 SOLID                                  | 2.29/90                           | 2.03/80                       | 21.8                           | 0.86 | 21.1 | 0.83 | 1074                              | 722  | 653  | 439  | 191             | 149 | 264         |     |
| 1 AWG                                    | 2.29/90                           | 2.03/80                       | 22.9                           | 0.90 | 21.8 | 0.86 | 1104                              | 742  | 680  | 457  | 192             | 150 | 266         | 210 |
| 1/0 SOLID                                | 2.29/90                           | 2.03/80                       | 22.9                           | 0.90 | 21.8 | 0.86 | 1280                              | 860  | 756  | 508  | 216             | 169 | 299         | 236 |
| 1/0 AWG                                  | 2.29/90                           | 2.03/80                       | 23.9                           | 0.94 | 22.9 | 0.90 | 1314                              | 883  | 789  | 530  | 219             | 171 | 301         | 238 |
| 2/0 AWG                                  | 2.29/90                           | 2.03/80                       | 25.9                           | 1.02 | 24.9 | 0.98 | 1634                              | 1098 | 966  | 649  | 252             | 197 | 342         | 271 |
| 3/0 AWG                                  | 2.29/90                           | 2.03/80                       | 27.2                           | 1.07 | 26.2 | 1.03 | 1956                              | 1315 | 1129 | 759  | 286             | 224 | 387         | 307 |
| 4/0 AWG                                  | 2.29/90                           | 2.03/80                       | 29.2                           | 1.15 | 28.7 | 1.13 | 2404                              | 1616 | 1400 | 941  | 327             | 258 | 438         | 348 |
| 250 MCM                                  | 2.29/90                           | 2.03/80                       | -                              | -    | 30.0 | 1.18 | -                                 | -    | 1643 | 1104 |                 | 288 |             | 386 |
| 350 MCM                                  | 2.29/90                           | 2.03/80                       | -                              | -    | 33.3 | 1.31 | -                                 | -    | 2074 | 1394 |                 | 342 |             | 454 |
| 5kV 100% Three Phase - One-Third Neutral |                                   |                               |                                |      |      |      |                                   |      |      |      |                 |     |             |     |
| 2 SOLID                                  | 2.29/90                           | 1.52/60                       | 20.3                           | 0.8  | 20.3 | 0.80 | 698                               | 469  | 491  | 330  | 172             | 134 | 245         | 192 |
| 2 AWG                                    | 2.29/90                           | 2.03/80                       | 20.8                           | 0.82 | 20.8 | 0.82 | 722                               | 485  | 515  | 346  | 172             | 134 | 245         | 192 |
| 1 SOLID                                  | 2.29/90                           | 2.03/80                       | 21.1                           | 0.83 | 21.1 | 0.83 | 809                               | 544  | 533  | 358  | 195             | 152 | 276         | 218 |
| 1 AWG                                    | 2.29/90                           | 2.03/80                       | 21.8                           | 0.86 | 21.8 | 0.86 | 839                               | 564  | 559  | 376  | 196             | 153 | 277         | 218 |
| 1/0 SOLID                                | 2.29/90                           | 2.03/80                       | 21.8                           | 0.86 | 21.8 | 0.86 | 966                               | 649  | 583  | 392  | 222             | 174 | 309         | 247 |
| 1/0 AWG                                  | 2.29/90                           | 2.03/80                       | 22.9                           | 0.90 | 22.9 | 0.90 | 998                               | 671  | 614  | 413  | 224             | 174 | 310         | 247 |
| 2/0 AWG                                  | 2.29/90                           | 2.03/80                       | 24.1                           | 0.95 | 24.1 | 0.95 | 1184                              | 796  | 698  | 469  | 254             | 199 | 346         | 279 |
| 3/0 AWG                                  | 2.29/90                           | 2.03/80                       | 25.4                           | 1.00 | 25.4 | 1.00 | 1425                              | 958  | 811  | 545  | 289             | 227 | 383         | 313 |
| 4/0 AWG                                  | 2.29/90                           | 2.03/80                       | 26.7                           | 1.05 | 26.7 | 1.05 | 1729                              | 1162 | 943  | 634  | 329             | 258 | 418         | 350 |
| 250 MCM                                  | 2.29/90                           | 2.03/80                       | 28.2                           | 1.11 | 28.2 | 1.11 | 2000                              | 1344 | 1073 | 721  | 360             | 284 | 445         | 377 |
| 350 MCM                                  | 2.29/90                           | 2.03/80                       | 31.5                           | 1.24 | 30.7 | 1.21 | 2696                              | 1812 | 1367 | 919  | 430             | 343 | 494         | 433 |
| 500 MCM                                  | 2.29/90                           | 2.03/80                       | 36.6                           | 1.44 | 35.3 | 1.39 | 3806                              | 2558 | 1869 | 1256 | 510             | 416 | 540         | 489 |
| 750 MCM                                  | 2.29/90                           | 2.03/80                       | 43.4                           | 1.71 | 40.1 | 1.58 | 5599                              | 3763 | 2581 | 1735 | 595             | 508 | 602         | 552 |
| 1000 MCM                                 | 2.29/90                           | 2.79/110                      | 48.0                           | 1.89 | 46.5 | 1.83 | 7287                              | 4898 | 3429 | 2305 | 647             | 574 | 660         | 591 |



# Caledonian Medium Voltage Cables

| 5kV 133% Single Phase - Full Neutral     |                                |                            |                             |      |      |      |                                |      |      |      |                 |     |             |     |
|------------------------------------------|--------------------------------|----------------------------|-----------------------------|------|------|------|--------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                                | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      |      |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                                          |                                |                            |                             |      |      |      |                                |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                                          |                                |                            | CU                          |      | AL   |      | CU                             |      | AL   |      | CU              | AL  | CU          | AL  |
| 2 SOLID                                  | 2.92/115                       | 2.03/80                    | 21.6                        | 0.85 | 21.6 | 0.85 | 916                            | 616  | 606  | 407  | 165             | 130 | 232         | 182 |
| 2 AWG                                    | 2.92/115                       | 2.03/80                    | 22.1                        | 0.87 | 22.1 | 0.87 | 942                            | 633  | 631  | 424  | 167             | 131 | 234         | 183 |
| 1 SOLID                                  | 2.92/115                       | 2.03/80                    | 23.1                        | 0.91 | 22.4 | 0.88 | 1123                           | 755  | 701  | 471  | 191             | 149 | 264         | 208 |
| 1 AWG                                    | 2.92/115                       | 2.03/80                    | 24.1                        | 0.95 | 23.1 | 0.91 | 1156                           | 777  | 729  | 490  | 192             | 150 | 266         | 210 |
| 1/0 SOLID                                | 2.92/115                       | 2.03/80                    | 24.1                        | 0.95 | 23.1 | 0.91 | 1330                           | 894  | 805  | 541  | 216             | 169 | 299         | 236 |
| 1/0 AWG                                  | 2.92/115                       | 2.03/80                    | 25.1                        | 0.99 | 24.1 | 0.95 | 1367                           | 919  | 839  | 564  | 219             | 171 | 301         | 238 |
| 2/0 AWG                                  | 2.92/115                       | 2.03/80                    | 27.2                        | 1.07 | 26.2 | 1.03 | 1692                           | 1137 | 1022 | 687  | 252             | 197 | 342         | 271 |
| 3/0 AWG                                  | 2.92/115                       | 2.03/80                    | 28.4                        | 1.12 | 27.4 | 1.08 | 2017                           | 1356 | 1189 | 799  | 286             | 224 | 387         | 307 |
| 4/0 AWG                                  | 2.92/115                       | 2.03/80                    | 30.5                        | 1.20 | 30.0 | 1.18 | 2470                           | 1660 | 1464 | 984  | 327             | 258 | 438         | 348 |
| 250 MCM                                  | 2.92/115                       | 2.03/80                    | -                           | -    | 31.2 | 1.23 | -                              | -    | 1711 | 1150 | -               | 288 | -           | 386 |
| 350 MCM                                  | 2.92/115                       | 2.03/80                    | -                           | -    | 34.5 | 1.36 | -                              | -    | 2150 | 1445 | -               | 342 | -           | 454 |
| 5kV 133% Three Phase - One-Third Neutral |                                |                            |                             |      |      |      |                                |      |      |      |                 |     |             |     |
| 2 SOLID                                  | 2.92/115                       | 2.03/80                    | 21.6                        | 0.85 | 21.6 | 0.85 | 744                            | 500  | 536  | 360  | 172             | 134 | 245         | 192 |
| 2 AWG                                    | 2.92/115                       | 2.03/80                    | 22.1                        | 0.87 | 22.1 | 0.87 | 768                            | 516  | 561  | 377  | 172             | 134 | 245         | 192 |
| 1 SOLID                                  | 2.92/115                       | 2.03/80                    | 22.4                        | 0.88 | 22.4 | 0.88 | 857                            | 576  | 579  | 389  | 195             | 152 | 276         | 218 |
| 1 AWG                                    | 2.92/115                       | 2.03/80                    | 23.1                        | 0.91 | 23.1 | 0.91 | 888                            | 597  | 609  | 409  | 196             | 153 | 277         | 218 |
| 1/0 SOLID                                | 2.92/115                       | 2.03/80                    | 23.1                        | 0.91 | 23.1 | 0.91 | 1015                           | 682  | 632  | 425  | 222             | 174 | 309         | 247 |
| 1/0 AWG                                  | 2.92/115                       | 2.03/80                    | 24.1                        | 0.95 | 24.1 | 0.95 | 1049                           | 705  | 667  | 448  | 224             | 174 | 310         | 247 |
| 2/0 AWG                                  | 2.92/115                       | 2.03/80                    | 25.4                        | 1.00 | 25.4 | 1.00 | 1239                           | 833  | 751  | 505  | 254             | 199 | 346         | 279 |
| 3/0 AWG                                  | 2.92/115                       | 2.03/80                    | 26.7                        | 1.05 | 26.7 | 1.05 | 1482                           | 996  | 869  | 584  | 289             | 227 | 383         | 313 |
| 4/0 AWG                                  | 2.92/115                       | 2.03/80                    | 27.9                        | 1.10 | 27.9 | 1.10 | 1790                           | 1203 | 1003 | 674  | 329             | 258 | 418         | 350 |
| 250 MCM                                  | 2.92/115                       | 2.03/80                    | 29.5                        | 1.16 | 29.5 | 1.16 | 2064                           | 1387 | 1135 | 763  | 360             | 284 | 445         | 377 |
| 350 MCM                                  | 2.92/115                       | 2.03/80                    | 32.8                        | 1.29 | 32.0 | 1.26 | 2767                           | 1860 | 1436 | 965  | 430             | 343 | 494         | 433 |
| 500 MCM                                  | 2.92/115                       | 2.03/80                    | 37.8                        | 1.49 | 36.6 | 1.44 | 3888                           | 2613 | 1949 | 1310 | 510             | 416 | 540         | 489 |
| 750 MCM                                  | 2.92/115                       | 2.79/110                   | 44.7                        | 1.76 | 41.4 | 1.63 | 5695                           | 3828 | 2672 | 1796 | 595             | 508 | 602         | 552 |
| 1000 MCM                                 | 2.92/115                       | 2.79/110                   | 49.3                        | 1.94 | 47.8 | 1.88 | 7394                           | 4970 | 3534 | 2375 | 647             | 574 | 660         | 591 |



# Addison Medium Voltage Cables



| 15kV 100% Single Phase - Full Neutral     |                                |                            |                             |      |      |      |                                |      |      |      |                 |     |             |     |
|-------------------------------------------|--------------------------------|----------------------------|-----------------------------|------|------|------|--------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                                 | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      |      |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                                           |                                |                            |                             |      |      |      |                                |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                                           |                                |                            | CU                          |      | AL   |      | CU                             |      | AL   |      | CU              | AL  | CU          | AL  |
| 2 SOLID                                   | 4.45/175                       | 2.03/80                    | 24.6                        | 0.97 | 24.6 | 0.97 | 1038                           | 698  | 726  | 488  | 172             | 135 | 233         | 182 |
| 2 AWG                                     | 4.45/175                       | 2.03/80                    | 25.1                        | 0.99 | 25.1 | 0.99 | 1067                           | 717  | 754  | 507  | 173             | 135 | 234         | 183 |
| 1 SOLID                                   | 4.45/175                       | 2.03/80                    | 26.2                        | 1.03 | 25.4 | 1.00 | 1251                           | 841  | 826  | 555  | 197             | 154 | 264         | 208 |
| 1 AWG                                     | 4.45/175                       | 2.03/80                    | 27.2                        | 1.07 | 26.2 | 1.03 | 1290                           | 867  | 860  | 578  | 199             | 156 | 266         | 210 |
| 1/0 SOLID                                 | 4.45/175                       | 2.03/80                    | 27.2                        | 1.07 | 26.2 | 1.03 | 1464                           | 984  | 936  | 629  | 223             | 175 | 299         | 236 |
| 1/0 AWG                                   | 4.45/175                       | 2.03/80                    | 28.2                        | 1.11 | 27.2 | 1.07 | 1506                           | 1012 | 975  | 655  | 226             | 176 | 302         | 237 |
| 2/0 AWG                                   | 4.45/175                       | 2.03/80                    | 30.2                        | 1.19 | 29.2 | 1.15 | 1842                           | 1238 | 1168 | 785  | 259             | 203 | 342         | 270 |
| 3/0 AWG                                   | 4.45/175                       | 2.03/80                    | 31.5                        | 1.24 | 30.5 | 1.20 | 2175                           | 1462 | 1341 | 901  | 294             | 231 | 388         | 307 |
| 4/0 AWG                                   | 4.45/175                       | 2.03/80                    | 33.5                        | 1.32 | 33.0 | 1.30 | 2639                           | 1774 | 1629 | 1095 | 335             | 265 | 439         | 348 |
| 250 MCM                                   | 4.45/175                       | 2.03/80                    | -                           | -    | 34.3 | 1.35 | -                              | -    | 1884 | 1266 | -               | 295 | -           | 386 |
| 350 MCM                                   | 4.45/175                       | 2.03/80                    | -                           | -    | 38.1 | 1.50 | -                              | -    | 2375 | 1596 | -               | 350 | -           | 453 |
| 15kV 100% Three Phase - One-Third Neutral |                                |                            |                             |      |      |      |                                |      |      |      |                 |     |             |     |
| 2 SOLID                                   | 4.45/175                       | 2.03/80                    | 24.6                        | 0.97 | 24.6 | 0.97 | 864                            | 581  | 656  | 441  | 176             | 137 | 241         | 189 |
| 2 AWG                                     | 4.45/175                       | 2.03/80                    | 25.1                        | 0.99 | 25.1 | 0.99 | 893                            | 600  | 686  | 461  | 177             | 137 | 241         | 189 |
| 1 SOLID                                   | 4.45/175                       | 2.03/80                    | 25.4                        | 1.00 | 25.4 | 1.00 | 982                            | 660  | 704  | 473  | 200             | 156 | 272         | 214 |
| 1 AWG                                     | 4.45/175                       | 2.03/80                    | 26.2                        | 1.03 | 26.2 | 1.03 | 1018                           | 684  | 738  | 496  | 201             | 157 | 272         | 215 |
| 1/0 SOLID                                 | 4.45/175                       | 2.03/80                    | 26.2                        | 1.03 | 26.2 | 1.03 | 1144                           | 769  | 762  | 512  | 228             | 178 | 305         | 243 |
| 1/0 AWG                                   | 4.45/175                       | 2.03/80                    | 27.2                        | 1.07 | 27.2 | 1.07 | 1184                           | 796  | 802  | 539  | 229             | 178 | 306         | 243 |
| 2/0 AWG                                   | 4.45/175                       | 2.03/80                    | 28.4                        | 1.12 | 28.4 | 1.12 | 1381                           | 928  | 893  | 600  | 260             | 203 | 343         | 275 |
| 3/0 AWG                                   | 4.45/175                       | 2.03/80                    | 29.7                        | 1.17 | 29.7 | 1.17 | 1631                           | 1096 | 1016 | 683  | 295             | 231 | 380         | 309 |
| 4/0 AWG                                   | 4.45/175                       | 2.03/80                    | 31.0                        | 1.22 | 31.0 | 1.22 | 1946                           | 1308 | 1159 | 779  | 334             | 263 | 418         | 346 |
| 250 MCM                                   | 4.45/175                       | 2.03/80                    | 32.5                        | 1.28 | 32.5 | 1.28 | 2229                           | 1498 | 1300 | 874  | 366             | 289 | 445         | 374 |
| 350 MCM                                   | 4.45/175                       | 2.03/80                    | 36.3                        | 1.43 | 35.6 | 1.40 | 2982                           | 2004 | 1647 | 1107 | 437             | 348 | 498         | 432 |
| 500 MCM                                   | 4.45/175                       | 2.03/80                    | 40.9                        | 1.61 | 39.6 | 1.56 | 4096                           | 2753 | 2153 | 1447 | 516             | 420 | 547         | 491 |
| 750 MCM                                   | 4.45/175                       | 2.79/110                   | 47.8                        | 1.88 | 46.0 | 1.81 | 5941                           | 3993 | 3002 | 2018 | 603             | 512 | 610         | 554 |
| 1000 MCM                                  | 4.45/175                       | 2.79/110                   | 53.1                        | 2.09 | 51.6 | 2.03 | 7735                           | 5199 | 3867 | 2599 | 658             | 580 | 669         | 599 |



# Caledonian Medium Voltage Cables

| 15kV 133% Single Phase - Full Neutral     |                                |                            |                             |      |      |      |                                |      |      |      |                 |     |             |     |
|-------------------------------------------|--------------------------------|----------------------------|-----------------------------|------|------|------|--------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                                 | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      |      |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                                           |                                |                            |                             |      |      |      |                                |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                                           |                                |                            | CU                          |      | AL   |      | CU                             |      | AL   |      | CU              | AL  | CU          | AL  |
| 2 SOLID                                   | 5.59/220                       | 2.03/80                    | 26.9                        | 1.06 | 26.9 | 1.06 | 1140                           | 766  | 827  | 556  | 172             | 135 | 233         | 182 |
| 2 AWG                                     | 5.59/220                       | 2.03/80                    | 27.4                        | 1.08 | 27.4 | 1.08 | 1171                           | 787  | 858  | 577  | 173             | 135 | 234         | 183 |
| 1 SOLID                                   | 5.59/220                       | 2.03/80                    | 28.4                        | 1.12 | 27.7 | 1.09 | 1360                           | 914  | 930  | 625  | 197             | 154 | 264         | 208 |
| 1 AWG                                     | 5.59/220                       | 2.03/80                    | 29.5                        | 1.16 | 28.4 | 1.12 | 1400                           | 941  | 969  | 651  | 199             | 156 | 266         | 210 |
| 1/0 SOLID                                 | 5.59/220                       | 2.03/80                    | 29.5                        | 1.16 | 28.4 | 1.12 | 1576                           | 1059 | 1044 | 702  | 223             | 175 | 299         | 236 |
| 1/0 AWG                                   | 5.59/220                       | 2.03/80                    | 30.5                        | 1.20 | 29.5 | 1.16 | 1622                           | 1090 | 1088 | 731  | 226             | 176 | 302         | 237 |
| 2/0 AWG                                   | 5.59/220                       | 2.03/80                    | 32.5                        | 1.28 | 31.5 | 1.24 | 1965                           | 1321 | 1287 | 865  | 259             | 203 | 342         | 270 |
| 3/0 AWG                                   | 5.59/220                       | 2.03/80                    | 33.8                        | 1.33 | 32.8 | 1.29 | 2305                           | 1549 | 1467 | 986  | 294             | 231 | 388         | 307 |
| 4/0 AWG                                   | 5.59/220                       | 2.03/80                    | 35.8                        | 1.41 | 35.3 | 1.39 | 2776                           | 1866 | 1765 | 1186 | 335             | 265 | 439         | 348 |
| 250 MCM                                   | 5.59/220                       | 2.03/80                    | -                           | -    | 37.1 | 1.46 | -                              | -    | 2059 | 1384 | -               | 295 | -           | 386 |
| 350 MCM                                   | 5.59/220                       | 2.03/80                    | -                           | -    | 40.4 | 1.59 | -                              | -    | 2531 | 1701 | -               | 350 | -           | 453 |
| 15kV 133% Three Phase - One-Third Neutral |                                |                            |                             |      |      |      |                                |      |      |      |                 |     |             |     |
| 2 SOLID                                   | 5.59/220                       | 2.03/80                    | 26.9                        | 1.06 | 26.9 | 1.06 | 966                            | 649  | 757  | 509  | 176             | 137 | 241         | 189 |
| 2 AWG                                     | 5.59/220                       | 2.03/80                    | 27.4                        | 1.08 | 27.4 | 1.08 | 997                            | 670  | 790  | 531  | 177             | 137 | 241         | 189 |
| 1 SOLID                                   | 5.59/220                       | 2.03/80                    | 27.7                        | 1.09 | 27.7 | 1.09 | 1086                           | 730  | 809  | 544  | 200             | 156 | 272         | 214 |
| 1 AWG                                     | 5.59/220                       | 2.03/80                    | 28.4                        | 1.12 | 28.4 | 1.12 | 1126                           | 757  | 847  | 569  | 201             | 157 | 272         | 215 |
| 1/0 SOLID                                 | 5.59/220                       | 2.03/80                    | 28.4                        | 1.12 | 28.4 | 1.12 | 1253                           | 842  | 870  | 585  | 228             | 178 | 305         | 243 |
| 1/0 AWG                                   | 5.59/220                       | 2.03/80                    | 29.5                        | 1.16 | 29.5 | 1.16 | 1297                           | 872  | 914  | 614  | 229             | 178 | 306         | 243 |
| 2/0 AWG                                   | 5.59/220                       | 2.03/80                    | 30.7                        | 1.21 | 30.7 | 1.21 | 1498                           | 1007 | 1010 | 679  | 260             | 203 | 343         | 275 |
| 3/0 AWG                                   | 5.59/220                       | 2.03/80                    | 32.0                        | 1.26 | 32.0 | 1.26 | 1753                           | 1178 | 1140 | 766  | 295             | 231 | 380         | 309 |
| 4/0 AWG                                   | 5.59/220                       | 2.03/80                    | 33.3                        | 1.31 | 33.3 | 1.31 | 2074                           | 1394 | 1288 | 866  | 334             | 263 | 418         | 346 |
| 250 MCM                                   | 5.59/220                       | 2.03/80                    | 35.3                        | 1.39 | 35.3 | 1.39 | 2394                           | 1609 | 1465 | 985  | 366             | 289 | 445         | 374 |
| 350 MCM                                   | 5.59/220                       | 2.03/80                    | 38.6                        | 1.52 | 37.8 | 1.49 | 3132                           | 2105 | 1794 | 1206 | 437             | 348 | 498         | 432 |
| 500 MCM                                   | 5.59/220                       | 2.03/80                    | 44.7                        | 1.76 | 43.4 | 1.71 | 4361                           | 2931 | 2410 | 1620 | 516             | 420 | 547         | 491 |
| 750 MCM                                   | 5.59/220                       | 2.79/110                   | 50.0                        | 1.97 | 48.3 | 1.90 | 6134                           | 4123 | 3191 | 2145 | 603             | 512 | 610         | 554 |
| 1000 MCM                                  | 5.59/220                       | 2.79/110                   | 55.4                        | 2.18 | 53.8 | 2.12 | 7951                           | 5344 | 4078 | 2741 | 658             | 580 | 669         | 599 |

# Addison Medium Voltage Cables



| 25kV 100% Single Phase - Full Neutral     |                                   |                               |                                |      |      |      |                                   |      |      |      |                 |     |             |     |
|-------------------------------------------|-----------------------------------|-------------------------------|--------------------------------|------|------|------|-----------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                                 | Insulation Thickness<br>(mm/mils) | Sheath Thickness<br>(mm/mils) | Overall Diameter<br>(mm / in.) |      |      |      | Cable Weight<br>(kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                                           |                                   |                               |                                |      |      |      |                                   |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                                           |                                   |                               | CU                             |      | AL   |      | CU                                |      | AL   |      | CU              | AL  | CU          | AL  |
| 1 SOLID                                   | 6.6/260                           | 2.03/80                       | 25.9                           | 1.02 | 29.7 | 1.17 | 1463                              | 983  | 1031 | 693  | 202             | 158 | 264         | 208 |
| 1 AWG                                     | 6.6/260                           | 2.03/80                       | 31.5                           | 1.24 | 30.5 | 1.20 | 1507                              | 1013 | 1073 | 721  | 204             | 160 | 265         | 209 |
| 1/0 SOLID                                 | 6.6/260                           | 2.03/80                       | 31.5                           | 1.24 | 30.5 | 1.20 | 1683                              | 1131 | 1149 | 772  | 229             | 179 | 299         | 235 |
| 1/0 AWG                                   | 6.6/260                           | 2.03/80                       | 32.5                           | 1.28 | 31.5 | 1.24 | 1727                              | 1161 | 1196 | 804  | 231             | 181 | 301         | 237 |
| 2/0 AWG                                   | 6.6/260                           | 2.03/80                       | 34.5                           | 1.36 | 33.5 | 1.32 | 2084                              | 1401 | 1402 | 942  | 265             | 207 | 342         | 270 |
| 3/0 AWG                                   | 6.6/260                           | 2.03/80                       | 36.3                           | 1.43 | 35.3 | 1.39 | 2459                              | 1653 | 1617 | 1087 | 301             | 236 | 387         | 306 |
| 4/0 AWG                                   | 6.6/260                           | 2.03/80                       | 38.4                           | 1.51 | 37.8 | 1.49 | 2941                              | 1977 | 1925 | 1294 | 342             | 271 | 438         | 347 |
| 250 MCM                                   | 6.6/260                           | 2.03/80                       | -                              | -    | 39.1 | 1.54 | -                                 | -    | 2193 | 1474 | -               | 301 | -           | 384 |
| 350 MCM                                   | 6.6/260                           | 2.79/110                      | -                              | -    | 43.9 | 1.73 | -                                 | -    | 2773 | 1864 | -               | 356 | -           | 449 |
| 25kV 100% Three Phase - One-Third Neutral |                                   |                               |                                |      |      |      |                                   |      |      |      |                 |     |             |     |
| 1 SOLID                                   | 6.6/260                           | 2.03/80                       | 29.7                           | 1.17 | 29.7 | 1.17 | 1187                              | 798  | 909  | 611  | 204             | 159 | 269         | 211 |
| 1 AWG                                     | 6.6/260                           | 2.03/80                       | 30.5                           | 1.20 | 30.5 | 1.20 | 1230                              | 827  | 951  | 639  | 204             | 159 | 269         | 212 |
| 1/0 SOLID                                 | 6.6/260                           | 2.03/80                       | 30.5                           | 1.20 | 30.5 | 1.20 | 1357                              | 912  | 975  | 655  | 232             | 181 | 302         | 239 |
| 1/0 AWG                                   | 6.6/260                           | 2.03/80                       | 31.5                           | 1.24 | 31.5 | 1.24 | 1406                              | 945  | 1022 | 687  | 232             | 181 | 303         | 239 |
| 2/0 AWG                                   | 6.6/260                           | 2.03/80                       | 32.8                           | 1.29 | 32.8 | 1.29 | 1610                              | 1082 | 1122 | 754  | 264             | 206 | 340         | 271 |
| 3/0 AWG                                   | 6.6/260                           | 2.03/80                       | 34.5                           | 1.36 | 34.5 | 1.36 | 1901                              | 1278 | 1287 | 865  | 300             | 235 | 378         | 305 |
| 4/0 AWG                                   | 6.6/260                           | 2.03/80                       | 35.8                           | 1.41 | 35.8 | 1.41 | 2229                              | 1498 | 1442 | 969  | 339             | 266 | 416         | 342 |
| 250 MCM                                   | 6.6/260                           | 2.03/80                       | 37.3                           | 1.47 | 37.3 | 1.47 | 2523                              | 1696 | 1595 | 1072 | 371             | 292 | 445         | 371 |
| 350 MCM                                   | 6.6/260                           | 2.03/80                       | 40.6                           | 1.60 | 39.9 | 1.57 | 3273                              | 2200 | 1933 | 1299 | 442             | 351 | 501         | 430 |
| 500 MCM                                   | 6.6/260                           | 2.79/110                      | 46.7                           | 1.84 | 45.5 | 1.79 | 4523                              | 3040 | 2568 | 1726 | 520             | 424 | 550         | 490 |
| 750 MCM                                   | 6.6/260                           | 2.79/110                      | 52.8                           | 2.08 | 51.1 | 2.01 | 6387                              | 4293 | 3435 | 2309 | 611             | 517 | 618         | 560 |
| 1000 MCM                                  | 6.6/260                           | 2.79/110                      | 57.4                           | 2.26 | 55.9 | 2.20 | 8150                              | 5478 | 4273 | 2872 | 665             | 584 | 676         | 606 |



## Caledonian Medium Voltage Cables

| 25kV 133% Single Phase - Full Neutral     |                                |                            |                             |      |      |      |                                |      |      |      |                 |     |             |     |
|-------------------------------------------|--------------------------------|----------------------------|-----------------------------|------|------|------|--------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                                 | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      |      |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                                           |                                |                            |                             |      |      |      |                                |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                                           |                                |                            | CU                          |      | AL   |      | CU                             |      | AL   |      | CU              | AL  | CU          | AL  |
| 1 SOLID                                   | 8.1/320                        | 2.03/80                    | 33.5                        | 1.32 | 32.8 | 1.29 | 1638                           | 1101 | 1202 | 808  | 202             | 158 | 264         | 208 |
| 1 AWG                                     | 8.1/320                        | 2.03/80                    | 34.5                        | 1.36 | 33.8 | 1.33 | 1687                           | 1134 | 1248 | 839  | 204             | 160 | 265         | 209 |
| 1/0 SOLID                                 | 8.1/320                        | 2.03/80                    | 34.5                        | 1.36 | 33.8 | 1.33 | 1864                           | 1253 | 1326 | 891  | 229             | 179 | 299         | 235 |
| 1/0 AWG                                   | 8.1/320                        | 2.03/80                    | 36.1                        | 1.42 | 35.3 | 1.39 | 1951                           | 1311 | 1410 | 948  | 231             | 181 | 301         | 237 |
| 2/0 AWG                                   | 8.1/320                        | 2.03/80                    | 38.4                        | 1.51 | 37.1 | 1.46 | 2317                           | 1557 | 1628 | 1094 | 265             | 207 | 342         | 270 |
| 3/0 AWG                                   | 8.1/320                        | 2.03/80                    | 39.6                        | 1.56 | 38.4 | 1.51 | 2668                           | 1793 | 1821 | 1224 | 301             | 236 | 387         | 306 |
| 4/0 AWG                                   | 8.1/320                        | 2.03/80                    | 41.7                        | 1.64 | 40.9 | 1.61 | 3160                           | 2124 | 2142 | 1440 | 342             | 271 | 438         | 347 |
| 250 MCM                                   | 8.1/320                        | 2.79/110                   | -                           | -    | 43.9 | 1.73 | -                              | -    | 2513 | 1689 | -               | 301 | -           | 384 |
| 350 MCM                                   | 8.1/320                        | 2.79/110                   | -                           | -    | 46.2 | 1.82 | -                              | -    | 3022 | 2031 | -               | 356 | -           | 449 |
| 25kV 133% Three Phase - One-Third Neutral |                                |                            |                             |      |      |      |                                |      |      |      |                 |     |             |     |
| 1 SOLID                                   | 8.1/320                        | 2.03/80                    | 32.8                        | 1.29 | 32.8 | 1.29 | 1358                           | 913  | 1080 | 726  | 204             | 159 | 269         | 211 |
| 1 AWG                                     | 8.1/320                        | 2.03/80                    | 33.8                        | 1.33 | 33.8 | 1.33 | 1406                           | 945  | 1126 | 757  | 204             | 159 | 269         | 212 |
| 1/0 SOLID                                 | 8.1/320                        | 2.03/80                    | 33.8                        | 1.33 | 33.8 | 1.33 | 1534                           | 1031 | 1152 | 774  | 232             | 181 | 302         | 239 |
| 1/0 AWG                                   | 8.1/320                        | 2.03/80                    | 35.3                        | 1.39 | 35.3 | 1.39 | 1619                           | 1088 | 1236 | 831  | 232             | 181 | 303         | 239 |
| 2/0 AWG                                   | 8.1/320                        | 2.03/80                    | 36.3                        | 1.43 | 36.3 | 1.43 | 1831                           | 1231 | 1343 | 903  | 264             | 206 | 340         | 271 |
| 3/0 AWG                                   | 8.1/320                        | 2.03/80                    | 37.6                        | 1.48 | 37.6 | 1.48 | 2099                           | 1411 | 1486 | 999  | 300             | 235 | 378         | 305 |
| 4/0 AWG                                   | 8.1/320                        | 2.03/80                    | 39.1                        | 1.54 | 39.1 | 1.54 | 2436                           | 1637 | 1648 | 1108 | 339             | 266 | 416         | 342 |
| 250 MCM                                   | 8.1/320                        | 2.03/80                    | 40.4                        | 1.59 | 40.4 | 1.59 | 2738                           | 1840 | 1809 | 1216 | 371             | 292 | 445         | 371 |
| 350 MCM                                   | 8.1/320                        | 2.79/110                   | 45.5                        | 1.79 | 44.5 | 1.75 | 3606                           | 2424 | 2260 | 1519 | 442             | 351 | 501         | 430 |
| 500 MCM                                   | 8.1/320                        | 2.79/110                   | 49.8                        | 1.96 | 48.8 | 1.92 | 4788                           | 3218 | 2828 | 1901 | 520             | 424 | 550         | 490 |
| 750 MCM                                   | 8.1/320                        | 2.79/110                   | 55.9                        | 2.20 | 54.4 | 2.14 | 6686                           | 4494 | 3727 | 2505 | 611             | 517 | 618         | 560 |
| 1000 MCM                                  | 8.1/320                        | 2.79/110                   | 32.8                        | 2.38 | 59.2 | 2.33 | 8475                           | 5696 | 4591 | 3086 | 665             | 584 | 676         | 606 |

# Addison Medium Voltage Cables



| 35kV 100% Single Phase - Full Neutral     |                                |                            |                             |      |      |      |                                |      |      |      |                 |     |             |     |
|-------------------------------------------|--------------------------------|----------------------------|-----------------------------|------|------|------|--------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                                 | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      |      |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                                           |                                |                            |                             |      |      |      |                                |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                                           |                                |                            | CU                          |      | AL   |      | CU                             |      | AL   |      | CU              | AL  | CU          | AL  |
| 1/0 SOLID                                 | 8.76/345                       | 2.03/80                    | 36.3                        | 1.43 | 35.6 | 1.40 | 1974                           | 1327 | 1433 | 963  | 234             | 183 | 298         | 234 |
| 1/0 AWG                                   | 8.76/345                       | 2.03/80                    | 37.3                        | 1.47 | 36.6 | 1.44 | 2032                           | 1366 | 1489 | 1001 | 236             | 184 | 300         | 236 |
| 2/0 AWG                                   | 8.76/345                       | 2.03/80                    | 39.6                        | 1.56 | 38.4 | 1.51 | 2401                           | 1614 | 1712 | 1151 | 270             | 212 | 341         | 269 |
| 3/0 AWG                                   | 8.76/345                       | 2.03/80                    | 40.9                        | 1.61 | 39.6 | 1.56 | 2757                           | 1853 | 1907 | 1282 | 306             | 240 | 386         | 305 |
| 4/0 AWG                                   | 8.76/345                       | 2.03/80                    | 44.5                        | 1.75 | 43.7 | 1.72 | 3351                           | 2252 | 2330 | 1566 | 348             | 275 | 434         | 346 |
| 250 MCM                                   | 8.76/345                       | 2.79/110                   | -                           | -    | 45.2 | 1.78 | -                              | -    | 2611 | 1755 | -               | 305 | -           | 380 |
| 350 MCM                                   | 8.76/345                       | 2.79/110                   | -                           | -    | 48.3 | 1.90 | -                              | -    | 3127 | 2102 | -               | 360 | -           | 449 |
| 35kV 100% Three Phase - One-Third Neutral |                                |                            |                             |      |      |      |                                |      |      |      |                 |     |             |     |
| 1/0 SOLID                                 | 8.76/345                       | 2.03/80                    | 35.6                        | 1.40 | 35.6 | 1.40 | 1643                           | 1104 | 1259 | 846  | 235             | 183 | 299         | 236 |
| 1/0 AWG                                   | 8.76/345                       | 2.03/80                    | 36.6                        | 1.44 | 36.6 | 1.44 | 1699                           | 1142 | 1315 | 884  | 235             | 183 | 300         | 236 |
| 2/0 AWG                                   | 8.76/345                       | 2.03/80                    | 37.6                        | 1.48 | 37.6 | 1.48 | 1913                           | 1286 | 1425 | 958  | 267             | 208 | 337         | 268 |
| 3/0 AWG                                   | 8.76/345                       | 2.03/80                    | 38.9                        | 1.53 | 38.9 | 1.53 | 2186                           | 1469 | 1571 | 1056 | 302             | 237 | 376         | 302 |
| 4/0 AWG                                   | 8.76/345                       | 2.03/80                    | 40.4                        | 1.59 | 40.4 | 1.59 | 2525                           | 1697 | 1738 | 1168 | 342             | 269 | 415         | 340 |
| 250 MCM                                   | 8.76/345                       | 2.79/110                   | 43.2                        | 1.70 | 43.2 | 1.70 | 2924                           | 1965 | 1995 | 1341 | 375             | 295 | 443         | 367 |
| 350 MCM                                   | 8.76/345                       | 2.79/110                   | 46.7                        | 1.84 | 45.7 | 1.80 | 3709                           | 2493 | 2360 | 1586 | 445             | 354 | 501         | 427 |
| 500 MCM                                   | 8.76/345                       | 2.79/110                   | 51.8                        | 2.04 | 50.8 | 2.00 | 4969                           | 3340 | 3007 | 2021 | 525             | 426 | 557         | 491 |
| 750 MCM                                   | 8.76/345                       | 2.79/110                   | 57.2                        | 2.25 | 55.6 | 2.19 | 6811                           | 4578 | 3849 | 2587 | 616             | 519 | 624         | 563 |
| 1000 MCM                                  | 8.76/345                       | 2.79/110                   | 61.7                        | 2.43 | 60.5 | 2.38 | 8610                           | 5787 | 4724 | 3175 | 671             | 587 | 682         | 611 |



# Caledonian Medium Voltage Cables

| 35kV 133% Single Phase - Full Neutral     |                                |                            |                             |      |      |      |                                |      |      |      |                 |     |             |     |
|-------------------------------------------|--------------------------------|----------------------------|-----------------------------|------|------|------|--------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                                 | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      |      |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                                           |                                |                            |                             |      |      |      |                                |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                                           |                                |                            | CU                          |      | AL   |      | CU                             |      | AL   |      | CU              | AL  | CU          | AL  |
| 1/0 SOLID                                 | 10.67/420                      | 2.03/80                    | 40.1                        | 1.58 | 39.4 | 1.55 | 2229                           | 1498 | 1683 | 1131 | 234             | 183 | 298         | 234 |
| 1/0 AWG                                   | 10.67/420                      | 2.03/80                    | 41.1                        | 1.62 | 40.4 | 1.59 | 2294                           | 1542 | 1745 | 1173 | 236             | 184 | 300         | 236 |
| 2/0 AWG                                   | 10.67/420                      | 2.03/80                    | 45.0                        | 1.77 | 43.7 | 1.72 | 2775                           | 1865 | 2077 | 1396 | 270             | 212 | 341         | 269 |
| 3/0 AWG                                   | 10.67/420                      | 2.79/110                   | 46.2                        | 1.82 | 45.0 | 1.77 | 3141                           | 2111 | 2284 | 1535 | 306             | 240 | 386         | 305 |
| 4/0 AWG                                   | 10.67/420                      | 2.79/110                   | 48.3                        | 1.90 | 47.5 | 1.87 | 3656                           | 2457 | 2632 | 1769 | 348             | 275 | 434         | 346 |
| 250 MCM                                   | 10.67/420                      | 2.79/110                   | -                           | -    | 49.0 | 1.93 | -                              | -    | 2924 | 1965 | -               | 305 | -           | 380 |
| 350 MCM                                   | 10.67/420                      | 2.79/110                   | -                           | -    | 52.8 | 2.08 | -                              | -    | 3532 | 2374 | -               | 360 | -           | 449 |
| 35kV 133% Three Phase - One-Third Neutral |                                |                            |                             |      |      |      |                                |      |      |      |                 |     |             |     |
| 1/0 SOLID                                 | 10.67/420                      | 2.03/80                    | 39.4                        | 1.55 | 39.4 | 1.55 | 1892                           | 1272 | 1509 | 1014 | 235             | 183 | 299         | 236 |
| 1/0 AWG                                   | 10.67/420                      | 2.03/80                    | 40.4                        | 1.59 | 40.4 | 1.59 | 1955                           | 1314 | 1571 | 1056 | 235             | 183 | 300         | 236 |
| 2/0 AWG                                   | 10.67/420                      | 2.03/80                    | 41.4                        | 1.63 | 41.4 | 1.63 | 2177                           | 1463 | 1690 | 1136 | 267             | 208 | 337         | 268 |
| 3/0 AWG                                   | 10.67/420                      | 2.79/110                   | 44.2                        | 1.74 | 44.2 | 1.74 | 2555                           | 1717 | 1940 | 1304 | 302             | 237 | 376         | 302 |
| 4/0 AWG                                   | 10.67/420                      | 2.79/110                   | 45.7                        | 1.80 | 45.7 | 1.80 | 2907                           | 1954 | 2120 | 1425 | 342             | 269 | 415         | 340 |
| 250 MCM                                   | 10.67/420                      | 2.79/110                   | 47.0                        | 1.85 | 47.0 | 1.85 | 3224                           | 2167 | 2296 | 1543 | 375             | 295 | 443         | 367 |
| 350 MCM                                   | 10.67/420                      | 2.79/110                   | 51.3                        | 2.02 | 50.3 | 1.98 | 4102                           | 2757 | 2748 | 1847 | 445             | 354 | 501         | 427 |
| 500 MCM                                   | 10.67/420                      | 2.79/110                   | 55.6                        | 2.19 | 54.6 | 2.15 | 5326                           | 3580 | 3358 | 2257 | 525             | 426 | 557         | 491 |
| 750 MCM                                   | 10.67/420                      | 2.79/110                   | 61.0                        | 2.40 | 59.4 | 2.34 | 7205                           | 4843 | 4234 | 2846 | 616             | 519 | 624         | 563 |
| 1000 MCM                                  | 10.67/420                      | 2.79/110                   | 65.5                        | 2.58 | 64.3 | 2.53 | 9035                           | 6073 | 5140 | 3455 | 671             | 587 | 682         | 611 |



# Addison Medium Voltage Cables



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| 5kV 100%/133% Copper Single Conductor |                                |                            |                               |       |                      |       |                           |       |                                 |         |                                   |                 |
|---------------------------------------|--------------------------------|----------------------------|-------------------------------|-------|----------------------|-------|---------------------------|-------|---------------------------------|---------|-----------------------------------|-----------------|
| Conductor                             | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Inner Jacket Diameter (mm/in) |       | Armour Diameter (mm) |       | Overall Diameter (mm/in.) |       | Cable Weight (kg/km / lbs/ kft) |         | Equivalent Bonding Conductor Size | Ampacity (Amps) |
|                                       |                                |                            |                               |       |                      |       | (D)                       |       |                                 |         |                                   | 90°C            |
| 6 AWG                                 | 2.29/90                        | 1.52/60                    | 16.33                         | 0.643 | 21.41                | 0.843 | 23.70                     | 0.933 | 634                             | 426.03  | 8 AWG                             | 100             |
| 4 AWG                                 | 2.29/90                        | 1.52/60                    | 18.19                         | 0.716 | 23.27                | 0.916 | 25.61                     | 1.008 | 824                             | 553.70  | 6 AWG                             | 145             |
| 2 AWG                                 | 2.29/90                        | 1.52/60                    | 19.59                         | 0.771 | 25.18                | 0.991 | 27.51                     | 1.083 | 1047                            | 703.55  | 6 AWG                             | 190             |
| 1 AWG                                 | 2.29/90                        | 1.52/60                    | 20.38                         | 0.802 | 25.96                | 1.022 | 28.30                     | 1.114 | 1223                            | 821.82  | 4 AWG                             | 225             |
| 1/0 AWG                               | 2.29/90                        | 2.03/80                    | 21.37                         | 0.841 | 26.95                | 1.061 | 29.29                     | 1.153 | 1357                            | 911.86  | 4 AWG                             | 260             |
| 2/0 AWG                               | 2.29/90                        | 2.03/80                    | 22.38                         | 0.881 | 27.97                | 1.101 | 30.31                     | 1.193 | 1517                            | 1019.38 | 4 AWG                             | 300             |
| 3/0 AWG                               | 2.29/90                        | 2.03/80                    | 24.13                         | 0.950 | 29.72                | 1.170 | 32.06                     | 1.262 | 1785                            | 1199.46 | 3 AWG                             | 345             |
| 4/0 AWG                               | 2.29/90                        | 2.03/80                    | 26.22                         | 1.032 | 31.80                | 1.252 | 34.14                     | 1.344 | 2085                            | 1401.06 | 3 AWG                             | 400             |
| 250 MCM                               | 2.29/90                        | 2.03/80                    | 27.56                         | 1.085 | 33.15                | 1.305 | 35.48                     | 1.397 | 2374                            | 1595.25 | 2 AWG                             | 445             |
| 350 MCM                               | 2.29/90                        | 2.03/80                    | 30.67                         | 1.207 | 36.26                | 1.428 | 38.60                     | 1.520 | 3025                            | 2032.71 | 1 AWG                             | 550             |
| 500 MCM                               | 2.29/90                        | 2.03/80                    | 33.72                         | 1.328 | 39.31                | 1.548 | 42.10                     | 1.657 | 3960                            | 2661.00 | 1/0 AWG                           | 695             |
| 750 MCM                               | 2.29/90                        | 2.03/80                    | 41.07                         | 1.617 | 47.42                | 1.867 | 50.21                     | 1.977 | 5717                            | 3841.65 | 2/0 AWG                           | 900             |
| 1000 MCM                              | 2.29/90                        | 2.79/110                   | 44.85                         | 1.766 | 51.20                | 2.016 | 54.00                     | 2.126 | 7028                            | 4722.60 | 2/0 AWG                           | 1075            |



# Caledonian Medium Voltage Cables

| 8kV 100% Copper Single Conductor |                                |                            |                               |       |                         |       |                           |       |                                |         |                                   |                 |
|----------------------------------|--------------------------------|----------------------------|-------------------------------|-------|-------------------------|-------|---------------------------|-------|--------------------------------|---------|-----------------------------------|-----------------|
| Conductor                        | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Inner Jacket Diameter (mm/in) |       | Armour Diameter (mm/in) |       | Overall Diameter (mm/in.) |       | Cable Weight (kg/km / lbs/kft) |         | Equivalent Bonding Conductor Size | Ampacity (Amps) |
|                                  |                                |                            |                               |       |                         |       | (D)                       |       |                                |         |                                   | 90°C            |
| 4 AWG                            | 2.92/115                       | 1.52/60                    | 20.13                         | 0.793 | 25.72                   | 1.013 | 28.06                     | 1.105 | 976                            | 655.84  | 6 AWG                             | 150             |
| 2 AWG                            | 2.92/115                       | 2.03/80                    | 22.53                         | 0.887 | 28.12                   | 1.107 | 30.45                     | 1.199 | 1203                           | 808.38  | 6 AWG                             | 195             |
| 1 AWG                            | 2.92/115                       | 2.03/80                    | 23.32                         | 0.918 | 28.90                   | 1.138 | 31.24                     | 1.230 | 1382                           | 928.66  | 4 AWG                             | 225             |
| 1/0 AWG                          | 2.92/115                       | 2.03/80                    | 24.31                         | 0.957 | 29.89                   | 1.177 | 32.23                     | 1.269 | 1521                           | 1022.06 | 4 AWG                             | 260             |
| 2/0 AWG                          | 2.92/115                       | 2.03/80                    | 25.32                         | 0.997 | 30.91                   | 1.217 | 33.25                     | 1.309 | 1686                           | 1132.94 | 4 AWG                             | 300             |
| 3/0 AWG                          | 2.92/115                       | 2.03/80                    | 27.07                         | 1.066 | 32.66                   | 1.286 | 35.00                     | 1.378 | 1962                           | 1318.40 | 3 AWG                             | 345             |
| 4/0 AWG                          | 2.92/115                       | 2.03/80                    | 28.40                         | 1.118 | 33.98                   | 1.338 | 36.32                     | 1.430 | 2214                           | 1487.74 | 3 AWG                             | 400             |
| 250 MCM                          | 2.92/115                       | 2.03/80                    | 29.80                         | 1.173 | 35.39                   | 1.393 | 37.72                     | 1.485 | 2511                           | 1687.31 | 2 AWG                             | 445             |
| 350 MCM                          | 2.92/115                       | 2.03/80                    | 32.91                         | 1.296 | 38.50                   | 1.516 | 41.29                     | 1.626 | 3213                           | 2159.04 | 1 AWG                             | 550             |
| 500 MCM                          | 2.92/115                       | 2.03/80                    | 36.42                         | 1.434 | 42.01                   | 1.654 | 44.80                     | 1.764 | 4155                           | 2792.03 | 1/0 AWG                           | 685             |
| 750 MCM                          | 2.92/115                       | 2.79/110                   | 44.97                         | 1.770 | 51.32                   | 2.020 | 54.11                     | 2.130 | 6091                           | 4092.96 | 1/0 AWG                           | 885             |
| 1000 MCM                         | 2.92/115                       | 2.79/110                   | 48.75                         | 1.919 | 55.10                   | 2.169 | 57.90                     | 2.280 | 7427                           | 4990.71 | 2/0 AWG                           | 1060            |
| 8kV 133% Copper Single Conductor |                                |                            |                               |       |                         |       |                           |       |                                |         |                                   |                 |
| 2 AWG                            | 3.56/140                       | 2.03/80                    | 23.81                         | 0.937 | 29.40                   | 1.157 | 31.73                     | 1.249 | 1265                           | 850.04  | 6 AWG                             | 195             |
| 1 AWG                            | 3.56/140                       | 2.03/80                    | 24.60                         | 0.969 | 30.18                   | 1.188 | 32.52                     | 1.280 | 1446                           | 971.67  | 4 AWG                             | 225             |
| 1/0 AWG                          | 3.56/140                       | 2.03/80                    | 25.59                         | 1.007 | 31.17                   | 1.227 | 33.51                     | 1.319 | 1587                           | 1066.41 | 4 AWG                             | 260             |
| 2/0 AWG                          | 3.56/140                       | 2.03/80                    | 26.60                         | 1.047 | 32.19                   | 1.267 | 34.53                     | 1.359 | 1754                           | 1178.63 | 4 AWG                             | 300             |
| 3/0 AWG                          | 3.56/140                       | 2.03/80                    | 28.35                         | 1.116 | 33.94                   | 1.336 | 36.28                     | 1.428 | 2033                           | 1366.11 | 3 AWG                             | 345             |
| 4/0 AWG                          | 3.56/140                       | 2.03/80                    | 29.68                         | 1.169 | 35.26                   | 1.388 | 37.60                     | 1.480 | 2286                           | 1536.12 | 3 AWG                             | 400             |
| 250 MCM                          | 3.56/140                       | 2.03/80                    | 31.08                         | 1.224 | 36.67                   | 1.444 | 39.00                     | 1.535 | 2586                           | 1737.71 | 2 AWG                             | 445             |
| 350 MCM                          | 3.56/140                       | 2.03/80                    | 34.19                         | 1.346 | 39.78                   | 1.566 | 42.57                     | 1.676 | 3294                           | 2213.47 | 1 AWG                             | 550             |
| 500 MCM                          | 3.56/140                       | 2.03/80                    | 37.70                         | 1.484 | 43.29                   | 1.704 | 46.08                     | 1.814 | 4243                           | 2851.16 | 1/0 AWG                           | 685             |
| 750 MCM                          | 3.56/140                       | 2.79/110                   | 46.25                         | 1.821 | 52.60                   | 2.071 | 55.39                     | 2.181 | 6197                           | 4164.19 | 1/0 AWG                           | 885             |
| 1000 MCM                         | 3.56/140                       | 2.79/110                   | 50.03                         | 1.970 | 56.38                   | 2.220 | 59.18                     | 2.330 | 7541                           | 5067.32 | 2/0 AWG                           | 1060            |

# Addison Medium Voltage Cables



| 15kV 100% Copper Single Conductor |                                |                            |                               |       |                         |       |                           |       |                                 |         |                                   |                 |
|-----------------------------------|--------------------------------|----------------------------|-------------------------------|-------|-------------------------|-------|---------------------------|-------|---------------------------------|---------|-----------------------------------|-----------------|
| Conductor                         | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Inner Jacket Diameter (mm/in) |       | Armour Diameter (mm/in) |       | Overall Diameter (mm/in.) |       | Cable Weight (kg/km / lbs/ kft) |         | Equivalent Bonding Conductor Size | Ampacity (Amps) |
|                                   |                                |                            |                               |       |                         |       | (D)                       |       |                                 |         |                                   | 90°C            |
| 2 AWG                             | 4.45/175                       | 2.03/80                    | 25.64                         | 1.009 | 31.23                   | 1.230 | 33.56                     | 1.321 | 1359                            | 913.21  | 6 AWG                             | 195             |
| 1 AWG                             | 4.45/175                       | 2.03/80                    | 26.43                         | 1.041 | 32.01                   | 1.260 | 34.35                     | 1.352 | 1543                            | 1036.85 | 4 AWG                             | 225             |
| 1/0 AWG                           | 4.45/175                       | 2.03/80                    | 27.42                         | 1.080 | 33.00                   | 1.299 | 35.34                     | 1.391 | 1686                            | 1132.94 | 4 AWG                             | 260             |
| 2/0 AWG                           | 4.45/175                       | 2.03/80                    | 28.43                         | 1.119 | 34.02                   | 1.339 | 36.36                     | 1.431 | 1856                            | 1247.17 | 4 AWG                             | 300             |
| 3/0 AWG                           | 4.45/175                       | 2.03/80                    | 30.19                         | 1.189 | 35.77                   | 1.408 | 38.11                     | 1.500 | 2138                            | 1436.67 | 3 AWG                             | 345             |
| 4/0 AWG                           | 4.45/175                       | 2.03/80                    | 31.51                         | 1.241 | 37.09                   | 1.460 | 39.43                     | 1.552 | 2395                            | 1609.37 | 3 AWG                             | 400             |
| 250 MCM                           | 4.45/175                       | 2.03/80                    | 32.91                         | 1.296 | 38.50                   | 1.516 | 41.29                     | 1.626 | 2739                            | 1840.52 | 2 AWG                             | 445             |
| 350 MCM                           | 4.45/175                       | 2.03/80                    | 36.48                         | 1.436 | 42.07                   | 1.656 | 44.86                     | 1.766 | 3450                            | 2318.29 | 1 AWG                             | 550             |
| 500 MCM                           | 4.45/175                       | 2.03/80                    | 39.53                         | 1.556 | 45.88                   | 1.806 | 48.67                     | 1.916 | 4501                            | 3024.53 | 1/0 AWG                           | 685             |
| 750 MCM                           | 4.45/175                       | 2.79/110                   | 48.08                         | 1.893 | 54.43                   | 2.143 | 57.22                     | 2.253 | 6355                            | 4270.36 | 1/0 AWG                           | 885             |
| 1000 MCM                          | 4.45/175                       | 2.79/110                   | 52.73                         | 2.076 | 59.08                   | 2.326 | 62.48                     | 2.460 | 7885                            | 5298.48 | 2/0 AWG                           | 1060            |
| 15kV 133% Copper Single Conductor |                                |                            |                               |       |                         |       |                           |       |                                 |         |                                   |                 |
| 2 AWG                             | 5.59/220                       | 2.03/80                    | 27.97                         | 1.101 | 33.56                   | 1.321 | 35.89                     | 1.413 | 1487                            | 999.22  | 6 AWG                             | 195             |
| 1 AWG                             | 5.59/220                       | 2.03/80                    | 28.76                         | 1.132 | 34.34                   | 1.352 | 36.68                     | 1.444 | 1673                            | 1124.20 | 4 AWG                             | 225             |
| 1/0 AWG                           | 5.59/220                       | 2.03/80                    | 29.75                         | 1.171 | 35.34                   | 1.391 | 37.67                     | 1.483 | 1819                            | 1222.31 | 4 AWG                             | 260             |
| 2/0 AWG                           | 5.59/220                       | 2.03/80                    | 30.76                         | 1.211 | 36.35                   | 1.431 | 38.69                     | 1.523 | 1992                            | 1338.56 | 4 AWG                             | 300             |
| 3/0 AWG                           | 5.59/220                       | 2.03/80                    | 32.52                         | 1.280 | 38.10                   | 1.500 | 40.90                     | 1.610 | 2319                            | 1558.30 | 3 AWG                             | 345             |
| 4/0 AWG                           | 5.59/220                       | 2.03/80                    | 33.84                         | 1.332 | 39.42                   | 1.552 | 42.22                     | 1.662 | 2582                            | 1735.02 | 3 AWG                             | 400             |
| 250 MCM                           | 5.59/220                       | 2.03/80                    | 35.24                         | 1.387 | 40.83                   | 1.607 | 43.62                     | 1.717 | 2892                            | 1943.33 | 2 AWG                             | 445             |
| 350 MCM                           | 5.59/220                       | 2.03/80                    | 38.81                         | 1.528 | 45.16                   | 1.778 | 47.96                     | 1.888 | 3738                            | 2511.82 | 1 AWG                             | 550             |
| 500 MCM                           | 5.59/220                       | 2.03/80                    | 41.86                         | 1.648 | 48.21                   | 1.898 | 51.00                     | 2.008 | 4680                            | 3144.81 | 1/0 AWG                           | 685             |
| 750 MCM                           | 5.59/220                       | 2.79/110                   | 50.41                         | 1.985 | 56.76                   | 2.235 | 59.55                     | 2.344 | 6562                            | 4409.46 | 1/0 AWG                           | 885             |
| 1000 MCM                          | 5.59/220                       | 2.79/110                   | 55.06                         | 2.168 | 61.41                   | 2.418 | 64.81                     | 2.552 | 8112                            | 5451.01 | 2/0 AWG                           | 1060            |



# Caledonian Medium Voltage Cables

| 25kV 100% Copper Single Conductor |                                |                            |                               |       |                         |       |                           |       |                                 |         |                                   |                 |
|-----------------------------------|--------------------------------|----------------------------|-------------------------------|-------|-------------------------|-------|---------------------------|-------|---------------------------------|---------|-----------------------------------|-----------------|
| Conductor                         | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Inner Jacket Diameter (mm/in) |       | Armour Diameter (mm/in) |       | Overall Diameter (mm/in.) |       | Cable Weight (kg/km / lbs/ kft) |         | Equivalent Bonding Conductor Size | Ampacity (Amps) |
|                                   |                                |                            |                               |       |                         |       | (D)                       |       |                                 |         |                                   | 90°C            |
| 1 AWG                             | 6.60/260                       | 2.03/80                    | 30.83                         | 1.214 | 36.42                   | 1.434 | 38.75                     | 1.526 | 1795                            | 1206.18 | 4 AWG                             | 225             |
| 1/0 AWG                           | 6.60/260                       | 2.03/80                    | 31.82                         | 1.253 | 37.41                   | 1.473 | 39.74                     | 1.565 | 1944                            | 1306.31 | 4 AWG                             | 260             |
| 2/0 AWG                           | 6.60/260                       | 2.03/80                    | 32.83                         | 1.293 | 38.42                   | 1.513 | 41.22                     | 1.623 | 2161                            | 1452.12 | 4 AWG                             | 300             |
| 3/0 AWG                           | 6.60/260                       | 2.03/80                    | 34.59                         | 1.362 | 40.17                   | 1.581 | 42.97                     | 1.692 | 2453                            | 1648.34 | 3 AWG                             | 345             |
| 4/0 AWG                           | 6.60/260                       | 2.03/80                    | 36.36                         | 1.431 | 41.95                   | 1.652 | 44.75                     | 1.762 | 2755                            | 1851.27 | 3 AWG                             | 395             |
| 250 MCM                           | 6.60/260                       | 2.03/80                    | 37.77                         | 1.487 | 43.36                   | 1.707 | 46.15                     | 1.817 | 3070                            | 2062.94 | 2 AWG                             | 440             |
| 350 MCM                           | 6.60/260                       | 2.03/80                    | 40.88                         | 1.609 | 47.23                   | 1.859 | 50.03                     | 1.970 | 3895                            | 2617.32 | 1 AWG                             | 545             |
| 500 MCM                           | 6.60/260                       | 2.79/110                   | 45.53                         | 1.793 | 51.88                   | 2.043 | 54.67                     | 2.152 | 5033                            | 3382.02 | 1/0 AWG                           | 680             |
| 750 MCM                           | 6.60/260                       | 2.79/110                   | 53.34                         | 2.100 | 59.69                   | 2.350 | 63.10                     | 2.484 | 6931                            | 4657.42 | 1/0 AWG                           | 870             |
| 1000 MCM                          | 6.60/260                       | 2.79/110                   | 57.13                         | 2.249 | 63.48                   | 2.499 | 66.88                     | 2.633 | 8320                            | 5590.78 | 2/0 AWG                           | 1040            |
| 25kV 133% Copper Single Conductor |                                |                            |                               |       |                         |       |                           |       |                                 |         |                                   |                 |
| 1/0 AWG                           | 8/320                          | 2.03/80                    | 35.44                         | 1.395 | 41.03                   | 1.615 | 43.82                     | 1.725 | 2225                            | 1495.13 | 4 AWG                             | 260             |
| 2/0 AWG                           | 8/320                          | 2.03/80                    | 36.45                         | 1.435 | 42.04                   | 1.655 | 44.84                     | 1.765 | 2408                            | 1618.10 | 4 AWG                             | 300             |
| 3/0 AWG                           | 8/320                          | 2.03/80                    | 38.21                         | 1.504 | 44.56                   | 1.754 | 47.35                     | 1.864 | 2830                            | 1901.67 | 3 AWG                             | 345             |
| 4/0 AWG                           | 8/320                          | 2.03/80                    | 39.53                         | 1.556 | 45.88                   | 1.806 | 48.67                     | 1.916 | 3108                            | 2088.48 | 3 AWG                             | 395             |
| 250 MCM                           | 8/320                          | 2.03/80                    | 40.93                         | 1.611 | 47.28                   | 1.861 | 50.07                     | 1.971 | 3433                            | 2306.87 | 2 AWG                             | 440             |
| 350 MCM                           | 8/320                          | 2.79/110                   | 45.64                         | 1.797 | 51.99                   | 2.047 | 54.79                     | 2.157 | 4334                            | 2912.31 | 1 AWG                             | 545             |
| 500 MCM                           | 8/320                          | 2.79/110                   | 48.69                         | 1.917 | 55.04                   | 2.167 | 57.84                     | 2.277 | 5309                            | 3567.48 | 1/0 AWG                           | 680             |
| 750 MCM                           | 8/320                          | 2.79/110                   | 56.51                         | 2.225 | 62.86                   | 2.475 | 66.26                     | 2.609 | 7244                            | 4867.74 | 1/0 AWG                           | 870             |
| 1000 MCM                          | 8/320                          | 2.79/110                   | 60.29                         | 2.374 | 66.64                   | 2.624 | 70.04                     | 2.757 | 8650                            | 5812.53 | 2/0 AWG                           | 1040            |

# Addison Medium Voltage Cables



| 28kV 100% Copper Single Conductor |                                |                            |                               |       |                         |       |                           |       |                                |                                   |                 |
|-----------------------------------|--------------------------------|----------------------------|-------------------------------|-------|-------------------------|-------|---------------------------|-------|--------------------------------|-----------------------------------|-----------------|
| Conductor                         | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Inner Jacket Diameter (mm/in) |       | Armour Diameter (mm/in) |       | Overall Diameter (mm/in.) |       | Cable Weight (kg/km / lbs/kft) | Equivalent Bonding Conductor Size | Ampacity (Amps) |
|                                   |                                |                            |                               |       |                         |       | (D)                       |       |                                |                                   | 90°C            |
| 1 AWG                             | 7.1/280                        | 2.03/80                    | 31.90                         | 1.256 | 37.49                   | 1.476 | 39.82                     | 1.568 | 1860                           | 4 AWG                             | 225             |
| 1/0 AWG                           | 7.1/280                        | 2.03/80                    | 32.89                         | 1.295 | 38.48                   | 1.515 | 41.27                     | 1.625 | 2052                           | 4 AWG                             | 260             |
| 2/0 AWG                           | 7.1/280                        | 2.03/80                    | 33.91                         | 1.335 | 39.49                   | 1.555 | 42.29                     | 1.665 | 2231                           | 4 AWG                             | 300             |
| 3/0 AWG                           | 7.1/280                        | 2.03/80                    | 36.11                         | 1.422 | 41.70                   | 1.642 | 44.50                     | 1.752 | 2560                           | 3 AWG                             | 345             |
| 4/0 AWG                           | 7.1/280                        | 2.03/80                    | 37.44                         | 1.474 | 43.02                   | 1.694 | 45.82                     | 1.804 | 2830                           | 3 AWG                             | 395             |
| 250 MCM                           | 7.1/280                        | 2.03/80                    | 38.84                         | 1.529 | 45.19                   | 1.779 | 47.98                     | 1.889 | 3273                           | 2 AWG                             | 440             |
| 350 MCM                           | 7.1/280                        | 2.79/110                   | 43.55                         | 1.715 | 49.90                   | 1.965 | 52.70                     | 2.075 | 4159                           | 1 AWG                             | 545             |
| 500 MCM                           | 7.1/280                        | 2.79/110                   | 46.60                         | 1.835 | 52.95                   | 2.085 | 55.74                     | 2.194 | 5125                           | 1/0 AWG                           | 680             |
| 750 MCM                           | 7.1/280                        | 2.79/110                   | 54.41                         | 2.142 | 60.76                   | 2.392 | 64.17                     | 2.526 | 7036                           | 1/0 AWG                           | 870             |
| 1000 MCM                          | 7.1/280                        | 2.79/110                   | 58.20                         | 2.291 | 64.55                   | 2.541 | 67.95                     | 2.675 | 8430                           | 2/0 AWG                           | 1040            |
| 28kV 133% Copper Single Conductor |                                |                            |                               |       |                         |       |                           |       |                                |                                   |                 |
| 1 AWG                             | 8.76/345                       | 2.03/80                    | 35.81                         | 1.410 | 41.40                   | 1.630 | 44.19                     | 1.740 | 2162                           | 4 AWG                             | 225             |
| 1/0 AWG                           | 8.76/345                       | 2.03/80                    | 36.80                         | 1.449 | 42.39                   | 1.669 | 45.18                     | 1.779 | 2319                           | 4 AWG                             | 260             |
| 2/0 AWG                           | 8.76/345                       | 2.03/80                    | 37.81                         | 1.489 | 43.40                   | 1.709 | 46.20                     | 1.819 | 2504                           | 4 AWG                             | 300             |
| 3/0 AWG                           | 8.76/345                       | 2.03/80                    | 39.57                         | 1.558 | 45.92                   | 1.808 | 48.71                     | 1.918 | 2932                           | 3 AWG                             | 345             |
| 4/0 AWG                           | 8.76/345                       | 2.03/80                    | 40.89                         | 1.610 | 47.24                   | 1.860 | 50.03                     | 1.970 | 3213                           | 3 AWG                             | 395             |
| 250 MCM                           | 8.76/345                       | 2.79/110                   | 43.89                         | 1.728 | 50.24                   | 1.978 | 53.04                     | 2.088 | 3723                           | 2 AWG                             | 440             |
| 350 MCM                           | 8.76/345                       | 2.79/110                   | 47.01                         | 1.851 | 53.36                   | 2.101 | 56.15                     | 2.211 | 4451                           | 1 AWG                             | 545             |
| 500 MCM                           | 8.76/345                       | 2.79/110                   | 50.05                         | 1.970 | 56.40                   | 2.220 | 59.20                     | 2.331 | 5433                           | 1/0 AWG                           | 680             |
| 750 MCM                           | 8.76/345                       | 2.79/110                   | 57.87                         | 2.278 | 64.22                   | 2.528 | 67.62                     | 2.662 | 7383                           | 1/0 AWG                           | 870             |
| 1000 MCM                          | 8.76/345                       | 2.79/110                   | 61.65                         | 2.427 | 68.00                   | 2.677 | 71.41                     | 2.811 | 8797                           | 2/0 AWG                           | 1040            |



# Caledonian Medium Voltage Cables

## THREE CORE CABLES

### Description

The three core cables are designed for distribution of electrical power with nominal voltage  $U_o/U$  ranging from 5KV to 46KV and frequency 50Hz. Three core cables are made of stranded copper or aluminium conductor, triple extruding insulating system consisting of thermosetting semi-conducting conductor shield, XLPE/TR-XLPE/EPR insulation and thermosetting semi-conducting insulation shield. There are a number of designs of metallic shields including the copper tape helically applied with overlap, copper wire shield, concentric neutral, longitudinally applied corrugated copper tape and metal sheath available, which are surrounded with fillers and grounding conductor, overall binder tape and overall PVC, LSZH or PE jacket.

### Standards

National Fire Protection Standard (NEPA 70): National Electric Code

AEIC CS8

ICEA S-93-639 (NEMA WC74), Standard for shielded power cable 5KV-46KV

ICEA S-97-682

IEEE 1202 – Flame Testing of cables for use in cable tray

ICEA T29-520 Vertical

UL 1072 for medium voltage cables.



### Conductors

The conductor consists of uncoated Class B compressed concentric stranded aluminium alloy 1350 or soft drawn annealed copper meeting the requirement of ASTM B3. Unless otherwise specified, the conductor shall be supplied class B as per ASTM B496.





## Conductor Shield

Conductor shield consists of extruded thermosetting semi conducting compound which is free stripping from conductor and bonded to the insulation

## Insulation

The insulation is either XLPE or EPR extruded concentrically over the conductor. High dielectric strength tree retardant XLPE (TR-XLPE) can be offered as option to provide an optimum balance of mechanical and electrical properties, insuring resistance to treeing. 100% or 133% insulation level is available upon request. The insulation meets or exceeds electrical and physical requirements of ICEA S-96-659/NEMA WC71, and UL 1072.

## Insulation Shield

Insulation shield consists of extruded thermosetting semi-conducting compound with controlled adhesion to the insulation, providing required balance between electrical integrity and ease of stripping

## Metallic Shielding

### 1) Copper Tape

For Copper tape shield, helically bare 5 mil copper tape shield over the insulation shield with minimum overlap of 20%. A mylar ribbon may be longitudinally applied under the copper tape for core identification. 1C red 1C Blue and 1C none. There are grounding conductor made of bare stranded copper conductor per each interstices, per UL, ICEA and AST

### 2) Wire Shield

Bare copper wire shield is evenly spaced with 5000 circular mils minimum per inch of core diameter. The shield insures a reliable shield that can be easily terminated.

### 3) Concentric Neutral

Either bare or tinned copper wire (#6 to #9AWG) is helically applied around the cores.

## Assembly

Cables are cabled together with a left hand lay and suitable filler to make the cable round. A binder tape is applied to maintain core geometry and mechanical stability. Fillers may be PP yarn, ramie yarn, plastics or other filler material.

## Armour (optional)

For armouring options, inner PVC jacket is applied over the binder type. Corrugated aluminium interlocking armour (AIA) is applied over the inner jacket



## Caledonian Medium Voltage Cables

### Jacket

A protective sunlight and ozone resistant jacket of PVC is extruded for a tight fit over the welded armour or the core assembly.

### Options

- TR-XLPE insulation
- Compact stranded conductor
- Super smooth conductor shield
- Zero or one grounding conductor
- CPE, LLLPE, LSOH or low temperature PVC jacket
- Oil resistant jacket



# Addison Medium Voltage Cables



## XLPE INSULATED CABLES MV-90 Tape Shielded Cables

| 5kV 100% to ICEA Standard |                                |                            |                           |      |                                |       |      |      |                 |     |             |     |
|---------------------------|--------------------------------|----------------------------|---------------------------|------|--------------------------------|-------|------|------|-----------------|-----|-------------|-----|
| Conductor                 | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm/in.) |      | Cable Weight (kg/km / lbs/kft) |       |      |      | Ampacity (Amps) |     |             |     |
|                           |                                |                            |                           |      |                                |       |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                           |                                |                            | (D)                       |      | CU                             |       | AL   |      | CU              | AL  | CU          | AL  |
| 4 AWG                     | 2.29/90                        | 2.03/80                    | 33.5                      | 1.32 | 1632                           | 1097  | 1239 | 833  | 100             | 80  | 105         | 81  |
| 2 AWG                     | 2.29/90                        | 2.03/80                    | 36.6                      | 1.44 | 2101                           | 1412  | 1477 | 993  | 135             | 105 | 140         | 110 |
| 1 AWG                     | 2.29/90                        | 2.03/80                    | 38.9                      | 1.53 | 2502                           | 1682  | 1626 | 1093 | 155             | 120 | 160         | 125 |
| 1/0 AWG                   | 2.29/90                        | 2.03/80                    | 40.9                      | 1.61 | 2898                           | 1948  | 1812 | 1218 | 175             | 140 | 185         | 145 |
| 2/0 AWG                   | 2.29/90                        | 2.80/110                   | 43.4                      | 1.71 | 3379                           | 2271  | 2264 | 1522 | 200             | 160 | 215         | 170 |
| 3/0 AWG                   | 2.29/90                        | 2.80/110                   | 47.8                      | 1.88 | 4184                           | 2812  | 2537 | 1705 | 230             | 180 | 250         | 195 |
| 4/0 AWG                   | 2.29/90                        | 2.80/110                   | 50.8                      | 2.00 | 4935                           | 3317  | 2871 | 1930 | 265             | 205 | 285         | 225 |
| 250 MCM                   | 2.29/90                        | 2.80/110                   | 53.6                      | 2.11 | 5596                           | 3761  | 3171 | 2131 | 290             | 230 | 320         | 250 |
| 350 MCM                   | 2.29/90                        | 2.80/110                   | 59.4                      | 2.34 | 7317                           | 4918  | 3932 | 2643 | 355             | 280 | 395         | 310 |
| 500 MCM                   | 2.29/90                        | 2.80/110                   | 67.3                      | 2.65 | 9921                           | 6668  | 5094 | 3424 | 430             | 340 | 485         | 385 |
| 750 MCM                   | 2.29/90                        | 3.56/140                   | 79.2                      | 3.12 | 14326                          | 9629  | 7075 | 4755 | 530             | 425 | 615         | 495 |
| 1000 MCM                  | 2.29/90                        | 3.56/140                   | 87.4                      | 3.44 | 18281                          | 12287 | 8757 | 5886 | 600             | 495 | 705         | 585 |
| 5kV 133% to ICEA Standard |                                |                            |                           |      |                                |       |      |      |                 |     |             |     |
| 4 AWG                     | 2.92/115                       | 2.03/80                    | 36.1                      | 1.42 | 1775                           | 1193  | 1382 | 929  | 100             | 80  | 105         | 81  |
| 2 AWG                     | 2.92/115                       | 2.03/80                    | 39.4                      | 1.55 | 2254                           | 1515  | 1629 | 1095 | 135             | 105 | 140         | 110 |
| 1 AWG                     | 2.92/115                       | 2.03/80                    | 41.7                      | 1.64 | 2662                           | 1789  | 1785 | 1200 | 155             | 120 | 160         | 125 |
| 1/0 AWG                   | 2.92/115                       | 2.03/80                    | 45.2                      | 1.78 | 3211                           | 2158  | 2126 | 1429 | 175             | 140 | 185         | 145 |
| 2/0 AWG                   | 2.92/115                       | 2.80/110                   | 47.8                      | 1.88 | 3709                           | 2493  | 2447 | 1645 | 200             | 160 | 215         | 170 |
| 3/0 AWG                   | 2.92/115                       | 2.80/110                   | 50.5                      | 1.99 | 4376                           | 2941  | 2729 | 1834 | 230             | 180 | 250         | 195 |
| 4/0 AWG                   | 2.92/115                       | 2.80/110                   | 53.6                      | 2.11 | 5137                           | 3453  | 3074 | 2066 | 265             | 205 | 285         | 225 |
| 250 MCM                   | 2.92/115                       | 2.80/110                   | 56.4                      | 2.22 | 5807                           | 3903  | 3382 | 2273 | 290             | 230 | 320         | 250 |
| 350 MCM                   | 2.92/115                       | 2.80/110                   | 62.0                      | 2.44 | 7546                           | 5072  | 4161 | 2797 | 355             | 280 | 395         | 310 |
| 500 MCM                   | 2.92/115                       | 2.80/110                   | 70.1                      | 2.76 | 10175                          | 6839  | 5349 | 3595 | 430             | 340 | 485         | 385 |
| 750 MCM                   | 2.92/115                       | 3.56/140                   | 81.8                      | 3.22 | 14624                          | 9829  | 7372 | 4955 | 530             | 425 | 615         | 495 |
| 1000 MCM                  | 2.92/115                       | 3.56/140                   | 90.2                      | 3.55 | 18604                          | 12504 | 9080 | 6103 | 600             | 495 | 705         | 585 |



## Caledonian Medium Voltage Cables

| 8kV 100% to ICEA Standard |                                |                            |                           |      |                                |       |      |      |                 |     |             |     |
|---------------------------|--------------------------------|----------------------------|---------------------------|------|--------------------------------|-------|------|------|-----------------|-----|-------------|-----|
| Conductor                 | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm/in.) |      | Cable Weight (kg/km / lbs/kft) |       |      |      | Ampacity (Amps) |     |             |     |
|                           |                                |                            |                           |      |                                |       |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                           |                                |                            | (D)                       |      | CU                             |       | AL   |      | CU              | AL  | CU          | AL  |
| 4 AWG                     | 2.92/115                       | 2.03/80                    | 36.1                      | 1.42 | 1775                           | 1193  | 1382 | 929  | 115             | 89  | 120         | 95  |
| 2 AWG                     | 2.92/115                       | 2.03/80                    | 39.4                      | 1.55 | 2254                           | 1515  | 1629 | 1095 | 150             | 115 | 165         | 125 |
| 1 AWG                     | 2.92/115                       | 2.03/80                    | 41.7                      | 1.64 | 2662                           | 1789  | 1785 | 1200 | 170             | 135 | 185         | 145 |
| 1/0 AWG                   | 2.92/115                       | 2.80/110                   | 45.2                      | 1.78 | 3211                           | 2158  | 2126 | 1429 | 195             | 150 | 215         | 170 |
| 2/0 AWG                   | 2.92/115                       | 2.80/110                   | 47.8                      | 1.88 | 3709                           | 2493  | 2447 | 1645 | 220             | 170 | 245         | 190 |
| 3/0 AWG                   | 2.92/115                       | 2.80/110                   | 50.5                      | 1.99 | 4376                           | 2941  | 2729 | 1834 | 250             | 195 | 285         | 220 |
| 4/0 AWG                   | 2.92/115                       | 2.80/110                   | 53.6                      | 2.11 | 5137                           | 3453  | 3074 | 2066 | 285             | 220 | 325         | 255 |
| 250 MCM                   | 2.92/115                       | 2.80/110                   | 56.4                      | 2.22 | 5807                           | 3903  | 3382 | 2273 | 310             | 245 | 360         | 280 |
| 350 MCM                   | 2.92/115                       | 2.80/110                   | 62.0                      | 2.44 | 7546                           | 5072  | 4161 | 2797 | 375             | 295 | 435         | 345 |
| 500 MCM                   | 2.92/115                       | 3.56/140                   | 70.1                      | 2.76 | 10175                          | 6839  | 5349 | 3595 | 450             | 355 | 535         | 425 |
| 750 MCM                   | 2.92/115                       | 3.56/140                   | 81.8                      | 3.22 | 14624                          | 9829  | 7372 | 4955 | 545             | 440 | 670         | 540 |
| 1000 MCM                  | 2.92/115                       | 3.56/140                   | 90.2                      | 3.55 | 18604                          | 12504 | 9080 | 6103 | 615             | 510 | 770         | 635 |
| 8kV 133% to ICEA Standard |                                |                            |                           |      |                                |       |      |      |                 |     |             |     |
| 2 AWG                     | 3.56/140                       | 2.03/80                    | 42.2                      | 1.66 | 2415                           | 1623  | 1791 | 1204 | 150             | 115 | 165         | 125 |
| 1 AWG                     | 3.56/140                       | 2.80/110                   | 45.7                      | 1.80 | 2979                           | 2002  | 2102 | 1413 | 170             | 135 | 185         | 145 |
| 1/0 AWG                   | 3.56/140                       | 2.80/110                   | 48.0                      | 1.89 | 3395                           | 2282  | 2311 | 1553 | 195             | 150 | 215         | 170 |
| 2/0 AWG                   | 3.56/140                       | 2.80/110                   | 50.5                      | 1.99 | 3901                           | 2622  | 2639 | 1774 | 220             | 170 | 245         | 190 |
| 3/0 AWG                   | 3.56/140                       | 2.80/110                   | 53.1                      | 2.09 | 4576                           | 3076  | 2929 | 1969 | 250             | 195 | 285         | 220 |
| 4/0 AWG                   | 3.56/140                       | 2.80/110                   | 56.4                      | 2.22 | 5347                           | 3594  | 3285 | 2208 | 285             | 220 | 325         | 255 |
| 250 MCM                   | 3.56/140                       | 2.80/110                   | 59.2                      | 2.33 | 6027                           | 4051  | 3602 | 2421 | 310             | 245 | 360         | 280 |
| 350 MCM                   | 3.56/140                       | 2.80/110                   | 64.8                      | 2.55 | 7784                           | 5232  | 4399 | 2957 | 375             | 295 | 435         | 345 |
| 500 MCM                   | 3.56/140                       | 3.56/140                   | 74.4                      | 2.93 | 10682                          | 7180  | 5856 | 3936 | 450             | 355 | 535         | 425 |
| 750 MCM                   | 3.56/140                       | 3.56/140                   | 84.6                      | 3.33 | 14929                          | 10034 | 7679 | 5161 | 545             | 440 | 670         | 540 |
| 1000 MCM                  | 3.56/140                       | 3.56/140                   | 93.0                      | 3.66 | 18937                          | 12728 | 9413 | 6327 | 615             | 510 | 770         | 635 |

# Addison Medium Voltage Cables



| 15kV 100% to ICEA Standard |                                    |                                |                                |      |                                   |       |       |      |                 |     |             |     |
|----------------------------|------------------------------------|--------------------------------|--------------------------------|------|-----------------------------------|-------|-------|------|-----------------|-----|-------------|-----|
| Conductor                  | Insulation Thickness<br>(mm/ mils) | Sheath Thickness<br>(mm/ mils) | Overall Diameter<br>(mm / in.) |      | Cable Weight<br>(kg/km / lbs/kft) |       |       |      | Ampacity (Amps) |     |             |     |
|                            |                                    |                                |                                |      |                                   |       |       |      | 90°C In Duct    |     | 90°C In Air |     |
|                            |                                    |                                | (D)                            |      | CU                                |       | AL    |      | CU              | AL  | CU          | AL  |
| 2 AWG                      | 4.45/175                           | 2.80/110                       | 47.5                           | 1.87 | 2809                              | 1888  | 2186  | 1469 | 150             | 115 | 165         | 125 |
| 1 AWG                      | 4.45/175                           | 2.80/110                       | 49.8                           | 1.96 | 3242                              | 2179  | 2366  | 1590 | 170             | 135 | 185         | 145 |
| 1/0 AWG                    | 4.45/175                           | 2.80/110                       | 51.8                           | 2.04 | 3669                              | 2466  | 2583  | 1736 | 195             | 150 | 215         | 170 |
| 2/0 AWG                    | 4.45/175                           | 2.80/110                       | 54.4                           | 2.14 | 4185                              | 2813  | 2924  | 1965 | 220             | 170 | 245         | 190 |
| 3/0 AWG                    | 4.45/175                           | 2.80/110                       | 56.9                           | 2.24 | 4873                              | 3275  | 3226  | 2168 | 250             | 195 | 285         | 220 |
| 4/0 AWG                    | 4.45/175                           | 2.80/110                       | 60.2                           | 2.37 | 5658                              | 3803  | 3595  | 2416 | 285             | 220 | 325         | 255 |
| 250 MCM                    | 4.45/175                           | 2.80/110                       | 63.0                           | 2.48 | 6350                              | 4268  | 3925  | 2638 | 310             | 245 | 360         | 280 |
| 350 MCM                    | 4.45/175                           | 3.56/140                       | 69.6                           | 2.74 | 8226                              | 5529  | 4841  | 3254 | 375             | 295 | 435         | 345 |
| 500 MCM                    | 4.45/175                           | 3.56/140                       | 78.2                           | 3.08 | 11080                             | 7447  | 6253  | 4203 | 450             | 355 | 535         | 425 |
| 750 MCM                    | 4.45/175                           | 3.56/140                       | 88.4                           | 3.48 | 15374                             | 10333 | 8122  | 5459 | 545             | 440 | 670         | 540 |
| 1000 MCM                   | 4.45/175                           | 3.56/140                       | 97.5                           | 3.84 | 19547                             | 13138 | 10023 | 6737 | 615             | 510 | 770         | 635 |
| 15kV 133% to ICEA Standard |                                    |                                |                                |      |                                   |       |       |      |                 |     |             |     |
| 2 AWG                      | 5.59/220                           | 2.80/110                       | 52.3                           | 2.06 | 3160                              | 2124  | 2537  | 1705 | 150             | 115 | 165         | 125 |
| 1 AWG                      | 5.59/220                           | 2.80/110                       | 54.6                           | 2.15 | 3606                              | 2424  | 2729  | 1834 | 170             | 135 | 185         | 145 |
| 1/0 AWG                    | 5.59/220                           | 2.80/110                       | 56.9                           | 2.24 | 4045                              | 2719  | 2959  | 1989 | 195             | 150 | 215         | 170 |
| 2/0 AWG                    | 5.59/220                           | 2.80/110                       | 59.2                           | 2.33 | 4575                              | 3075  | 3313  | 2227 | 220             | 170 | 245         | 190 |
| 3/0 AWG                    | 5.59/220                           | 2.80/110                       | 62.0                           | 2.44 | 5279                              | 3548  | 3632  | 2441 | 250             | 195 | 285         | 220 |
| 4/0 AWG                    | 5.59/220                           | 2.80/110                       | 65.0                           | 2.56 | 6082                              | 4088  | 4019  | 2701 | 285             | 220 | 325         | 255 |
| 250 MCM                    | 5.59/220                           | 2.80/110                       | 68.8                           | 2.71 | 6884                              | 4627  | 4459  | 2997 | 310             | 245 | 360         | 280 |
| 350 MCM                    | 5.59/220                           | 3.56/140                       | 75.9                           | 2.99 | 8954                              | 6018  | 5569  | 3743 | 375             | 295 | 435         | 345 |
| 500 MCM                    | 5.59/220                           | 3.56/140                       | 83.1                           | 3.27 | 11617                             | 7808  | 6790  | 4564 | 450             | 355 | 535         | 425 |
| 750 MCM                    | 5.59/220                           | 3.56/140                       | 93.5                           | 3.68 | 15969                             | 10733 | 8717  | 5859 | 545             | 440 | 670         | 540 |
| 1000 MCM                   | 5.59/220                           | 3.56/140                       | 102.6                          | 4.04 | 20196                             | 13574 | 10672 | 7173 | 615             | 510 | 770         | 635 |



## Caledonian Medium Voltage Cables

| 25kV 100% to ICEA Standard |                                |                            |                             |      |                                |       |       |      |                 |     |             |     |
|----------------------------|--------------------------------|----------------------------|-----------------------------|------|--------------------------------|-------|-------|------|-----------------|-----|-------------|-----|
| Conductor                  | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |       |       |      | Ampacity (Amps) |     |             |     |
|                            |                                |                            |                             |      |                                |       |       |      | 90°C In Duct    |     | 90°C In Air |     |
|                            |                                |                            | (D)                         |      | CU                             |       | AL    |      | CU              | AL  | CU          | AL  |
| 1 AWG                      | 6.60/260                       | 2.80/110                   | 58.9                        | 2.32 | 3953                           | 2657  | 3077  | 2068 | 170             | 135 | 185         | 145 |
| 1/0 AWG                    | 6.60/260                       | 2.80/110                   | 61.2                        | 2.41 | 4404                           | 2960  | 3318  | 2230 | 195             | 150 | 215         | 170 |
| 2/0 AWG                    | 6.60/260                       | 2.80/110                   | 63.5                        | 2.50 | 4945                           | 3324  | 3684  | 2476 | 220             | 170 | 245         | 190 |
| 3/0 AWG                    | 6.60/260                       | 2.80/110                   | 67.3                        | 2.65 | 5755                           | 3868  | 4108  | 2761 | 250             | 195 | 285         | 220 |
| 4/0 AWG                    | 6.60/260                       | 3.56/140                   | 70.4                        | 2.77 | 6578                           | 4421  | 4514  | 3034 | 285             | 220 | 325         | 255 |
| 250 MCM                    | 6.60/260                       | 3.56/140                   | 74.7                        | 2.94 | 7548                           | 5073  | 5124  | 3444 | 310             | 245 | 360         | 280 |
| 350 MCM                    | 6.60/260                       | 3.56/140                   | 80.3                        | 3.16 | 9418                           | 6330  | 6033  | 4055 | 375             | 295 | 435         | 345 |
| 500 MCM                    | 6.60/260                       | 3.56/140                   | 87.6                        | 3.45 | 12117                          | 8144  | 7290  | 4900 | 450             | 355 | 535         | 425 |
| 750 MCM                    | 6.60/260                       | 3.56/140                   | 98.8                        | 3.89 | 16653                          | 11193 | 9401  | 6319 | 545             | 440 | 670         | 540 |
| 1000 MCM                   | 6.60/260                       | 3.56/140                   | 106.9                       | 4.21 | 20797                          | 13978 | 11273 | 7577 | 615             | 510 | 770         | 635 |
| 25kV 133% to ICEA Standard |                                |                            |                             |      |                                |       |       |      |                 |     |             |     |
| 1/0 AWG                    | 8.76/345                       | 3.56/140                   | 73.2                        | 2.88 | 5596                           | 3761  | 4510  | 3031 | 195             | 150 | 215         | 170 |
| 2/0 AWG                    | 8.76/345                       | 3.56/140                   | 75.4                        | 2.97 | 6176                           | 4151  | 4914  | 3303 | 220             | 170 | 245         | 190 |
| 3/0 AWG                    | 8.76/345                       | 3.56/140                   | 78.2                        | 3.08 | 6936                           | 4662  | 5289  | 3555 | 250             | 195 | 285         | 220 |
| 4/0 AWG                    | 8.76/345                       | 3.56/140                   | 81.5                        | 3.21 | 7804                           | 5245  | 5741  | 3859 | 285             | 220 | 325         | 255 |
| 250 MCM                    | 8.76/345                       | 3.56/140                   | 84.3                        | 3.32 | 8573                           | 5762  | 6148  | 4132 | 310             | 245 | 360         | 280 |
| 350 MCM                    | 8.76/345                       | 3.56/140                   | 89.9                        | 3.54 | 10504                          | 7060  | 7119  | 4785 | 375             | 295 | 435         | 345 |
| 500 MCM                    | 8.76/345                       | 3.56/140                   | 98.0                        | 3.86 | 13413                          | 9015  | 8586  | 5771 | 450             | 355 | 535         | 425 |



# Addison Medium Voltage Cables



| 35kV 100% to ICEA Standard |                                |                            |                             |      |                                |      |      |      |                 |     |             |     |
|----------------------------|--------------------------------|----------------------------|-----------------------------|------|--------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                  | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                            |                                |                            |                             |      |                                |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                            |                                |                            | (D)                         |      | CU                             |      | AL   |      | CU              | AL  | CU          | AL  |
| 1/0 AWG                    | 8.76/345                       | 3.56/140                   | 73.2                        | 2.88 | 5596                           | 3761 | 4510 | 3031 | 195             | 150 | 215         | 170 |
| 2/0 AWG                    | 8.76/345                       | 3.56/140                   | 75.4                        | 2.97 | 6176                           | 4151 | 4914 | 3303 | 220             | 170 | 245         | 190 |
| 3/0 AWG                    | 8.76/345                       | 3.56/140                   | 78.2                        | 3.08 | 6936                           | 4662 | 5289 | 3555 | 250             | 195 | 285         | 220 |
| 4/0 AWG                    | 8.76/345                       | 3.56/140                   | 81.5                        | 3.21 | 7804                           | 5245 | 5741 | 3859 | 285             | 220 | 325         | 255 |
| 250 MCM                    | 8.76/345                       | 3.56/140                   | 84.3                        | 3.32 | 8573                           | 5762 | 6148 | 4132 | 310             | 245 | 360         | 280 |
| 350 MCM                    | 8.76/345                       | 3.56/140                   | 89.9                        | 3.54 | 10504                          | 7060 | 7119 | 4785 | 375             | 295 | 435         | 345 |
| 500 MCM                    | 8.76/345                       | 3.56/140                   | 98.0                        | 3.86 | 13413                          | 9015 | 8586 | 5771 | 450             | 355 | 535         | 425 |
| 35kV 133% to ICEA Standard |                                |                            |                             |      |                                |      |      |      |                 |     |             |     |
| 1/0 AWG                    | 10.67/420                      | 3.56/140                   | 81.5                        | 3.21 | 6481                           | 4356 | 5395 | 3626 | 195             | 150 | 215         | 170 |
| 2/0 AWG                    | 10.67/420                      | 3.56/140                   | 84.1                        | 3.31 | 7083                           | 4761 | 5823 | 3914 | 220             | 170 | 245         | 190 |
| 3/0 AWG                    | 10.67/420                      | 3.56/140                   | 86.6                        | 3.41 | 7872                           | 5291 | 6225 | 4184 | 250             | 195 | 285         | 220 |
| 4/0 AWG                    | 10.67/420                      | 3.56/140                   | 89.9                        | 3.54 | 8771                           | 5895 | 6709 | 4509 | 285             | 220 | 325         | 255 |
| 250 MCM                    | 10.67/420                      | 3.56/140                   | 92.7                        | 3.65 | 9567                           | 6430 | 7141 | 4800 | 310             | 245 | 360         | 280 |
| 350 MCM                    | 10.67/420                      | 3.56/140                   | 99.3                        | 3.91 | 11685                          | 7854 | 8302 | 5580 | 375             | 295 | 435         | 345 |
| 500 MCM                    | 10.67/420                      | 3.56/140                   | 106.4                       | 4.19 | 14543                          | 9775 | 9717 | 6531 | 450             | 355 | 535         | 425 |



# Caledonian Medium Voltage Cables

**Armoured Tape Shielded Cables**  
aluminum interlocked armor  
three core

| 5kV 100% Three Conductor AIA |                                |                            |                           |      |                                |       |      |      |                 |     |             |     |
|------------------------------|--------------------------------|----------------------------|---------------------------|------|--------------------------------|-------|------|------|-----------------|-----|-------------|-----|
| Conductor                    | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm/in.) |      | Cable Weight (kg/km / lbs/kft) |       |      |      | Ampacity (Amps) |     |             |     |
|                              |                                |                            |                           |      |                                |       |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                              |                                |                            | (D)                       |      | CU                             |       | AL   |      | CU              | AL  | CU          | AL  |
| 4 AWG                        | 2.29/90                        | 2.03/80                    | 37.6                      | 1.48 | 1839                           | 1236  | 1448 | 973  | 100             | 80  | 105         | 81  |
| 2 AWG                        | 2.29/90                        | 2.03/80                    | 40.9                      | 1.61 | 2325                           | 1563  | 1702 | 1144 | 135             | 105 | 140         | 110 |
| 1 AWG                        | 2.29/90                        | 2.79/110                   | 43.7                      | 1.72 | 2787                           | 1873  | 1910 | 1284 | 155             | 120 | 160         | 125 |
| 1/0 AWG                      | 2.29/90                        | 2.79/110                   | 45.7                      | 1.80 | 3197                           | 2149  | 2111 | 1419 | 175             | 140 | 185         | 145 |
| 2/0 AWG                      | 2.29/90                        | 2.79/110                   | 48.8                      | 1.92 | 3773                           | 2536  | 2511 | 1688 | 200             | 160 | 215         | 170 |
| 3/0 AWG                      | 2.29/90                        | 2.79/110                   | 51.6                      | 2.03 | 4444                           | 2987  | 2797 | 1880 | 230             | 180 | 250         | 195 |
| 4/0 AWG                      | 2.29/90                        | 2.79/110                   | 54.6                      | 2.15 | 5210                           | 3502  | 3148 | 2116 | 265             | 205 | 285         | 225 |
| 250 MCM                      | 2.29/90                        | 2.79/110                   | 57.4                      | 2.26 | 5886                           | 3956  | 3461 | 2326 | 290             | 230 | 320         | 250 |
| 350 MCM                      | 2.29/90                        | 3.56/140                   | 63.8                      | 2.51 | 7738                           | 5201  | 4355 | 2927 | 355             | 280 | 395         | 310 |
| 500 MCM                      | 2.29/90                        | 3.56/140                   | 71.9                      | 2.83 | 10394                          | 6986  | 5567 | 3742 | 430             | 340 | 485         | 385 |
| 750 MCM                      | 2.29/90                        | 3.56/140                   | 82.6                      | 3.25 | 14700                          | 9880  | 7448 | 5006 | 530             | 425 | 615         | 495 |
| 1000 MCM                     | 2.29/90                        | 3.56/140                   | 90.9                      | 3.58 | 18690                          | 12562 | 9166 | 6161 | 600             | 495 | 705         | 585 |
| 5kV 133% Three Conductor AIA |                                |                            |                           |      |                                |       |      |      |                 |     |             |     |
| 4 AWG                        | 2.92/115                       | 2.03/80                    | 40.4                      | 1.59 | 1997                           | 1342  | 1604 | 1078 | 100             | 80  | 105         | 81  |
| 2 AWG                        | 2.92/115                       | 2.79/110                   | 44.2                      | 1.74 | 2541                           | 1708  | 1918 | 1289 | 135             | 105 | 140         | 110 |
| 1 AWG                        | 2.92/115                       | 2.79/110                   | 46.2                      | 1.82 | 2965                           | 1993  | 2087 | 1403 | 155             | 120 | 160         | 125 |
| 1/0 AWG                      | 2.92/115                       | 2.79/110                   | 49.0                      | 1.93 | 3461                           | 2326  | 2375 | 1596 | 175             | 140 | 185         | 145 |
| 2/0 AWG                      | 2.92/115                       | 2.79/110                   | 51.6                      | 2.03 | 3969                           | 2668  | 2708 | 1820 | 200             | 160 | 215         | 170 |
| 3/0 AWG                      | 2.92/115                       | 2.79/110                   | 54.1                      | 2.13 | 4651                           | 3126  | 3002 | 2018 | 230             | 180 | 250         | 195 |
| 4/0 AWG                      | 2.92/115                       | 2.79/110                   | 57.4                      | 2.26 | 5426                           | 3647  | 3364 | 2261 | 265             | 205 | 285         | 225 |
| 250 MCM                      | 2.92/115                       | 2.79/110                   | 60.2                      | 2.37 | 6110                           | 4107  | 3685 | 2477 | 290             | 230 | 320         | 250 |
| 350 MCM                      | 2.92/115                       | 3.56/140                   | 66.5                      | 2.62 | 7987                           | 5368  | 4602 | 3093 | 355             | 280 | 395         | 310 |
| 500 MCM                      | 2.92/115                       | 3.56/140                   | 74.7                      | 2.94 | 10668                          | 7170  | 5841 | 3926 | 430             | 340 | 485         | 385 |
| 750 MCM                      | 2.92/115                       | 3.56/140                   | 85.3                      | 3.36 | 15009                          | 10088 | 7757 | 5214 | 530             | 425 | 615         | 495 |
| 1000 MCM                     | 2.92/115                       | 3.56/140                   | 93.7                      | 3.69 | 19025                          | 12787 | 9501 | 6386 | 600             | 495 | 705         | 585 |

# Addison Medium Voltage Cables



| 8kV 100% Three Conductor AIA |                                |                            |                           |      |                                |       |      |      |                 |     |             |     |
|------------------------------|--------------------------------|----------------------------|---------------------------|------|--------------------------------|-------|------|------|-----------------|-----|-------------|-----|
| Conductor                    | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm/in.) |      | Cable Weight (kg/km / lbs/kft) |       |      |      | Ampacity (Amps) |     |             |     |
|                              |                                |                            |                           |      |                                |       |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                              |                                |                            | (D)                       |      | CU                             |       | AL   |      | CU              | AL  | CU          | AL  |
| 4 AWG                        | 2.92/115                       | 2.03/80                    | 40.4                      | 1.59 | 1997                           | 1342  | 1604 | 1078 | 115             | 89  | 120         | 95  |
| 2 AWG                        | 2.92/115                       | 2.79/110                   | 44.2                      | 1.74 | 2541                           | 1708  | 1918 | 1289 | 150             | 115 | 165         | 125 |
| 1 AWG                        | 2.92/115                       | 2.79/110                   | 46.2                      | 1.82 | 2965                           | 1993  | 2087 | 1403 | 170             | 135 | 185         | 145 |
| 1/0 AWG                      | 2.92/115                       | 2.79/110                   | 49.0                      | 1.93 | 3461                           | 2326  | 2375 | 1596 | 195             | 150 | 215         | 170 |
| 2/0 AWG                      | 2.92/115                       | 2.79/110                   | 51.6                      | 2.03 | 3969                           | 2668  | 2708 | 1820 | 220             | 170 | 245         | 190 |
| 3/0 AWG                      | 2.92/115                       | 2.79/110                   | 54.1                      | 2.13 | 4651                           | 3126  | 3002 | 2018 | 250             | 195 | 285         | 220 |
| 4/0 AWG                      | 2.92/115                       | 2.79/110                   | 57.4                      | 2.26 | 5426                           | 3647  | 3364 | 2261 | 285             | 220 | 325         | 255 |
| 250 MCM                      | 2.92/115                       | 2.79/110                   | 60.2                      | 2.37 | 6110                           | 4107  | 3685 | 2477 | 310             | 245 | 360         | 280 |
| 350 MCM                      | 2.92/115                       | 3.56/140                   | 66.5                      | 2.62 | 7987                           | 5368  | 4602 | 3093 | 375             | 295 | 435         | 345 |
| 500 MCM                      | 2.92/115                       | 3.56/140                   | 74.7                      | 2.94 | 10668                          | 7170  | 5841 | 3926 | 450             | 355 | 535         | 425 |
| 750 MCM                      | 2.92/115                       | 3.56/140                   | 85.3                      | 3.36 | 15009                          | 10088 | 7757 | 5214 | 545             | 440 | 670         | 540 |
| 1000 MCM                     | 2.92/115                       | 3.56/140                   | 93.7                      | 3.69 | 19025                          | 12787 | 9501 | 6386 | 615             | 510 | 770         | 635 |
| 8kV 133% Three Conductor AIA |                                |                            |                           |      |                                |       |      |      |                 |     |             |     |
| 2 AWG                        | 3.56/140                       | 2.79/110                   | 47.5                      | 1.87 | 2724                           | 1831  | 2101 | 1412 | 150             | 115 | 165         | 125 |
| 1 AWG                        | 3.56/140                       | 2.79/110                   | 49.5                      | 1.95 | 3230                           | 2171  | 2354 | 1582 | 170             | 135 | 185         | 145 |
| 1/0 AWG                      | 3.56/140                       | 2.79/110                   | 51.8                      | 2.04 | 3659                           | 2459  | 2572 | 1729 | 195             | 150 | 215         | 170 |
| 2/0 AWG                      | 3.56/140                       | 2.79/110                   | 54.1                      | 2.13 | 4175                           | 2806  | 2913 | 1958 | 220             | 170 | 245         | 190 |
| 3/0 AWG                      | 3.56/140                       | 2.79/110                   | 56.9                      | 2.24 | 4865                           | 3270  | 3217 | 2162 | 250             | 195 | 285         | 220 |
| 4/0 AWG                      | 3.56/140                       | 2.79/110                   | 59.9                      | 2.36 | 5651                           | 3798  | 3587 | 2411 | 285             | 220 | 325         | 255 |
| 250 MCM                      | 3.56/140                       | 3.56/140                   | 63.8                      | 2.51 | 6448                           | 4334  | 4023 | 2704 | 310             | 245 | 360         | 280 |
| 350 MCM                      | 3.56/140                       | 3.56/140                   | 69.3                      | 2.73 | 8242                           | 5540  | 4858 | 3265 | 375             | 295 | 435         | 345 |
| 500 MCM                      | 3.56/140                       | 3.56/140                   | 77.2                      | 3.04 | 10950                          | 7360  | 6124 | 4116 | 450             | 355 | 535         | 425 |
| 750 MCM                      | 3.56/140                       | 3.56/140                   | 88.1                      | 3.47 | 15327                          | 10302 | 8076 | 5428 | 545             | 440 | 670         | 540 |
| 1000 MCM                     | 3.56/140                       | 3.56/140                   | 96.3                      | 3.79 | 19370                          | 13019 | 9846 | 6618 | 615             | 510 | 770         | 635 |



## Caledonian Medium Voltage Cables

| 15kV 100% Three Conductor AIA |                                 |                             |                             |      |                                |       |       |      |                 |     |             |     |
|-------------------------------|---------------------------------|-----------------------------|-----------------------------|------|--------------------------------|-------|-------|------|-----------------|-----|-------------|-----|
| Conductor                     | Insulation Thickness (mm/ mils) | Sheath Thickness (mm/ mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |       |       |      | Ampacity (Amps) |     |             |     |
|                               |                                 |                             |                             |      |                                |       |       |      | 90°C In Duct    |     | 90°C In Air |     |
|                               |                                 |                             | (D)                         |      | CU                             |       | AL    |      | CU              | AL  | CU          | AL  |
| 2 AWG                         | 4.45/175                        | 2.79/110                    | 51.3                        | 2.02 | 3069                           | 2063  | 2444  | 1643 | 150             | 115 | 165         | 125 |
| 1 AWG                         | 4.45/175                        | 2.79/110                    | 53.3                        | 2.10 | 3513                           | 2361  | 2636  | 1772 | 170             | 135 | 185         | 145 |
| 1/0 AWG                       | 4.45/175                        | 2.79/110                    | 55.6                        | 2.19 | 3950                           | 2655  | 2864  | 1925 | 195             | 150 | 215         | 170 |
| 2/0 AWG                       | 4.45/175                        | 2.79/110                    | 57.9                        | 2.28 | 4477                           | 3009  | 3217  | 2162 | 220             | 170 | 245         | 190 |
| 3/0 AWG                       | 4.45/175                        | 2.79/110                    | 60.7                        | 2.39 | 5179                           | 3481  | 3532  | 2374 | 250             | 195 | 285         | 220 |
| 4/0 AWG                       | 4.45/175                        | 3.56/140                    | 64.8                        | 2.55 | 6085                           | 4090  | 4023  | 2704 | 285             | 220 | 325         | 255 |
| 250 MCM                       | 4.45/175                        | 3.56/140                    | 67.6                        | 2.66 | 6796                           | 4568  | 4371  | 2938 | 310             | 245 | 360         | 280 |
| 350 MCM                       | 4.45/175                        | 3.56/140                    | 74.2                        | 2.92 | 8714                           | 5857  | 5331  | 3583 | 375             | 295 | 435         | 345 |
| 500 MCM                       | 4.45/175                        | 3.56/140                    | 81.3                        | 3.20 | 11359                          | 7635  | 6533  | 4391 | 450             | 355 | 535         | 425 |
| 750 MCM                       | 4.45/175                        | 3.56/140                    | 91.9                        | 3.62 | 15787                          | 10611 | 8536  | 5737 | 545             | 440 | 670         | 540 |
| 1000 MCM                      | 4.45/175                        | 3.56/140                    | 101.1                       | 3.98 | 20001                          | 13443 | 10477 | 7042 | 615             | 510 | 770         | 635 |
| 15kV 133% Three Conductor AIA |                                 |                             |                             |      |                                |       |       |      |                 |     |             |     |
| 2 AWG                         | 5.59/220                        | 2.79/110                    | 56.1                        | 2.21 | 3444                           | 2315  | 2819  | 1895 | 150             | 115 | 165         | 125 |
| 1 AWG                         | 5.59/220                        | 2.79/110                    | 58.4                        | 2.30 | 3901                           | 2622  | 3023  | 2032 | 170             | 135 | 185         | 145 |
| 1/0 AWG                       | 5.59/220                        | 2.79/110                    | 60.5                        | 2.38 | 4350                           | 2924  | 3264  | 2194 | 195             | 150 | 215         | 170 |
| 2/0 AWG                       | 5.59/220                        | 3.56/140                    | 63.8                        | 2.51 | 4996                           | 3358  | 3734  | 2510 | 220             | 170 | 245         | 190 |
| 3/0 AWG                       | 5.59/220                        | 3.56/140                    | 66.5                        | 2.62 | 5719                           | 3844  | 4071  | 2736 | 250             | 195 | 285         | 220 |
| 4/0 AWG                       | 5.59/220                        | 3.56/140                    | 69.6                        | 2.74 | 6542                           | 4397  | 4478  | 3010 | 285             | 220 | 325         | 255 |
| 250 MCM                       | 5.59/220                        | 3.56/140                    | 73.4                        | 2.89 | 7368                           | 4952  | 4942  | 3322 | 310             | 245 | 360         | 280 |
| 350 MCM                       | 5.59/220                        | 3.56/140                    | 79.0                        | 3.11 | 9226                           | 6201  | 5841  | 3926 | 375             | 295 | 435         | 345 |
| 500 MCM                       | 5.59/220                        | 3.56/140                    | 86.6                        | 3.41 | 12007                          | 8070  | 7180  | 4826 | 450             | 355 | 535         | 425 |
| 750 MCM                       | 5.59/220                        | 3.56/140                    | 97.0                        | 3.82 | 16405                          | 11026 | 9153  | 6152 | 545             | 440 | 670         | 540 |
| 1000 MCM                      | 5.59/220                        | 3.56/140                    | 106.2                       | 4.18 | 20670                          | 13893 | 11147 | 7492 | 615             | 510 | 770         | 635 |

# Addison Medium Voltage Cables



| 25kV 100% Three Conductor AIA |                                |                            |                             |      |                                |       |      |      |                 |     |             |     |
|-------------------------------|--------------------------------|----------------------------|-----------------------------|------|--------------------------------|-------|------|------|-----------------|-----|-------------|-----|
| Conductor                     | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |       |      |      | Ampacity (Amps) |     |             |     |
|                               |                                |                            |                             |      |                                |       |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                               |                                |                            | (D)                         |      | CU                             |       | AL   |      | CU              | AL  | CU          | AL  |
| 1 AWG                         | 6.60/260                       | 3.56/140                   | 63.5                        | 2.50 | 4373                           | 2939  | 3496 | 2350 | 170             | 135 | 185         | 145 |
| 1/0 AWG                       | 6.60/260                       | 3.56/140                   | 65.8                        | 2.59 | 4837                           | 3251  | 3752 | 2522 | 195             | 150 | 215         | 170 |
| 2/0 AWG                       | 6.60/260                       | 3.56/140                   | 68.1                        | 2.68 | 5395                           | 3626  | 4135 | 2779 | 220             | 170 | 245         | 190 |
| 3/0 AWG                       | 6.60/260                       | 3.56/140                   | 71.6                        | 2.82 | 6228                           | 4186  | 4581 | 3079 | 250             | 195 | 285         | 220 |
| 4/0 AWG                       | 6.60/260                       | 3.56/140                   | 74.9                        | 2.95 | 7072                           | 4753  | 5009 | 3367 | 285             | 220 | 325         | 255 |
| 250 MCM                       | 6.60/260                       | 3.56/140                   | 77.7                        | 3.06 | 7817                           | 5254  | 5392 | 3624 | 310             | 245 | 360         | 280 |
| 350 MCM                       | 6.60/260                       | 3.56/140                   | 83.8                        | 3.30 | 9796                           | 6584  | 6412 | 4310 | 375             | 295 | 435         | 345 |
| 500 MCM                       | 6.60/260                       | 3.56/140                   | 90.9                        | 3.58 | 12527                          | 8420  | 7701 | 5176 | 450             | 355 | 535         | 425 |
| 750 MCM                       | 6.60/260                       | 3.56/140                   | 102.1                       | 4.02 | 17111                          | 11501 | 9860 | 6627 | 545             | 440 | 670         | 540 |
| 25kV 133% Three Conductor AIA |                                |                            |                             |      |                                |       |      |      |                 |     |             |     |
| 1/0 AWG                       | 8.76/345                       | 3.56/140                   | 76.2                        | 3.00 | 5859                           | 3938  | 4773 | 3208 | 195             | 150 | 215         | 170 |
| 2/0 AWG                       | 8.76/345                       | 3.56/140                   | 78.5                        | 3.09 | 6447                           | 4333  | 5185 | 3485 | 220             | 170 | 245         | 190 |
| 3/0 AWG                       | 8.76/345                       | 3.56/140                   | 81.3                        | 3.20 | 7217                           | 4851  | 5569 | 3743 | 250             | 195 | 285         | 220 |
| 4/0 AWG                       | 8.76/345                       | 3.56/140                   | 84.8                        | 3.34 | 8187                           | 5503  | 6125 | 4117 | 285             | 220 | 325         | 255 |
| 250 MCM                       | 8.76/345                       | 3.56/140                   | 87.9                        | 3.46 | 8969                           | 6028  | 6543 | 4398 | 310             | 245 | 360         | 280 |
| 350 MCM                       | 8.76/345                       | 3.56/140                   | 93.5                        | 3.68 | 10925                          | 7343  | 7540 | 5068 | 375             | 295 | 435         | 345 |
| 500 MCM                       | 8.76/345                       | 3.56/140                   | 101.3                       | 3.99 | 13868                          | 9321  | 9041 | 6077 | 450             | 355 | 535         | 425 |



## Caledonian Medium Voltage Cables

| 35kV 100% Three Conductor AIA   |                                |                            |                             |      |                                |      |      |      |                 |     |             |     |
|---------------------------------|--------------------------------|----------------------------|-----------------------------|------|--------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                       | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                                 |                                |                            |                             |      |                                |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                                 |                                |                            | (D)                         |      | CU                             |      | AL   |      | CU              | AL  | CU          | AL  |
| 1/0 AWG                         | 8.76/345                       | 3.56/140                   | 76.2                        | 3.00 | 5859                           | 3938 | 4773 | 3208 | 195             | 150 | 215         | 170 |
| 2/0 AWG                         | 8.76/345                       | 3.56/140                   | 78.5                        | 3.09 | 6447                           | 4333 | 5185 | 3485 | 220             | 170 | 245         | 190 |
| 3/0 AWG                         | 8.76/345                       | 3.56/140                   | 81.3                        | 3.20 | 7217                           | 4851 | 5569 | 3743 | 250             | 195 | 285         | 220 |
| 4/0 AWG                         | 8.76/345                       | 3.56/140                   | 84.8                        | 3.34 | 8187                           | 5503 | 6125 | 4117 | 285             | 220 | 325         | 255 |
| 250 MCM                         | 8.76/345                       | 3.56/140                   | 87.9                        | 3.46 | 8969                           | 6028 | 6543 | 4398 | 310             | 245 | 360         | 280 |
| 350 MCM                         | 8.76/345                       | 3.56/140                   | 93.5                        | 3.68 | 10925                          | 7343 | 7540 | 5068 | 375             | 295 | 435         | 345 |
| 500 MCM                         | 8.76/345                       | 3.56/140                   | 101.3                       | 3.99 | 13868                          | 9321 | 9041 | 6077 | 450             | 150 | 535         | 170 |
| 35kV 133% t Three Conductor AIA |                                |                            |                             |      |                                |      |      |      |                 |     |             |     |
| 1/0 AWG                         | 10.67/420                      | 3.56/140                   | 85.1                        | 3.35 | 6865                           | 4614 | 5779 | 3884 | 195             | 150 | 215         | 170 |
| 2/0 AWG                         | 10.67/420                      | 3.56/140                   | 87.4                        | 3.44 | 7479                           | 5027 | 6218 | 4179 | 220             | 170 | 245         | 190 |
| 3/0 AWG                         | 10.67/420                      | 3.56/140                   | 90.2                        | 3.55 | 8280                           | 5565 | 6631 | 4457 | 250             | 195 | 285         | 220 |
| 4/0 AWG                         | 10.67/420                      | 3.56/140                   | 93.5                        | 3.68 | 9192                           | 6178 | 7128 | 4791 | 285             | 220 | 325         | 255 |
| 250 MCM                         | 10.67/420                      | 3.56/140                   | 96.3                        | 3.79 | 10000                          | 6721 | 7574 | 5091 | 310             | 245 | 360         | 280 |
| 350 MCM                         | 10.67/420                      | 3.56/140                   | 102.9                       | 4.05 | 12146                          | 8164 | 8762 | 5889 | 375             | 295 | 435         | 345 |



# Addison Medium Voltage Cables



galvanized steel interlocked armor

| 5kV 100% Three Conductor GSIA |                                   |                               |                              |      |                                   |       |       |      |                 |     |             |     |
|-------------------------------|-----------------------------------|-------------------------------|------------------------------|------|-----------------------------------|-------|-------|------|-----------------|-----|-------------|-----|
| Conductor                     | Insulation Thickness<br>(mm/mils) | Sheath Thickness<br>(mm/mils) | Overall Diameter<br>(mm/in.) |      | Cable Weight<br>(kg/km / lbs/kft) |       |       |      | Ampacity (Amps) |     |             |     |
|                               |                                   |                               |                              |      |                                   |       |       |      | 90°C In Duct    |     | 90°C In Air |     |
|                               |                                   |                               | (D)                          |      | CU                                |       | AL    |      | CU              | AL  | CU          | AL  |
| 4 AWG                         | 2.29/90                           | 2.03/80                       | 37.1                         | 1.46 | 2200                              | 1479  | 1808  | 1215 | 100             | 80  | 105         | 81  |
| 2 AWG                         | 2.29/90                           | 2.03/80                       | 40.4                         | 1.59 | 2723                              | 1830  | 2099  | 1411 | 135             | 105 | 140         | 110 |
| 1 AWG                         | 2.29/90                           | 2.79/110                      | 43.2                         | 1.70 | 3209                              | 2157  | 2333  | 1568 | 155             | 120 | 160         | 125 |
| 1/0 AWG                       | 2.29/90                           | 2.79/110                      | 45.2                         | 1.78 | 3644                              | 2449  | 2559  | 1720 | 175             | 140 | 185         | 145 |
| 2/0 AWG                       | 2.29/90                           | 2.79/110                      | 48.5                         | 1.91 | 4393                              | 2953  | 3133  | 2106 | 200             | 160 | 215         | 170 |
| 3/0 AWG                       | 2.29/90                           | 2.79/110                      | 51.3                         | 2.02 | 5106                              | 3432  | 3459  | 2325 | 230             | 180 | 250         | 195 |
| 4/0 AWG                       | 2.29/90                           | 2.79/110                      | 54.4                         | 2.14 | 5919                              | 3978  | 3856  | 2592 | 265             | 205 | 285         | 225 |
| 250 MCM                       | 2.29/90                           | 2.79/110                      | 57.2                         | 2.25 | 6636                              | 4460  | 4210  | 2830 | 290             | 230 | 320         | 250 |
| 350 MCM                       | 2.29/90                           | 3.56/140                      | 63.5                         | 2.50 | 8571                              | 5761  | 5188  | 3487 | 355             | 280 | 395         | 310 |
| 500 MCM                       | 2.29/90                           | 3.56/140                      | 71.6                         | 2.82 | 11346                             | 7626  | 6520  | 4382 | 430             | 340 | 485         | 385 |
| 750 MCM                       | 2.29/90                           | 3.56/140                      | 82.3                         | 3.24 | 15802                             | 10621 | 8552  | 5748 | 530             | 425 | 615         | 495 |
| 1000 MCM                      | 2.29/90                           | 3.56/140                      | 90.7                         | 3.57 | 19914                             | 13385 | 10391 | 6984 | 600             | 495 | 705         | 585 |
| 5kV 133% Three Conductor GSIA |                                   |                               |                              |      |                                   |       |       |      |                 |     |             |     |
| 4 AWG                         | 2.92/115                          | 2.03/80                       | 39.9                         | 1.57 | 2389                              | 1606  | 1997  | 1342 | 100             | 80  | 105         | 81  |
| 2 AWG                         | 2.92/115                          | 2.03/80                       | 43.7                         | 1.72 | 2970                              | 1996  | 2346  | 1577 | 135             | 105 | 140         | 110 |
| 1 AWG                         | 2.92/115                          | 2.79/110                      | 45.7                         | 1.80 | 3419                              | 2298  | 2541  | 1708 | 155             | 120 | 160         | 125 |
| 1/0 AWG                       | 2.92/115                          | 2.79/110                      | 48.8                         | 1.92 | 4087                              | 2747  | 3001  | 2017 | 175             | 140 | 185         | 145 |
| 2/0 AWG                       | 2.92/115                          | 2.79/110                      | 51.3                         | 2.02 | 4632                              | 3113  | 3370  | 2265 | 200             | 160 | 215         | 170 |
| 3/0 AWG                       | 2.92/115                          | 2.79/110                      | 53.8                         | 2.12 | 5353                              | 3598  | 3705  | 2490 | 230             | 180 | 250         | 195 |
| 4/0 AWG                       | 2.92/115                          | 2.79/110                      | 57.2                         | 2.25 | 6174                              | 4150  | 4112  | 2764 | 265             | 205 | 285         | 225 |
| 250 MCM                       | 2.92/115                          | 2.79/110                      | 59.9                         | 2.36 | 6902                              | 4639  | 4477  | 3009 | 290             | 230 | 320         | 250 |
| 350 MCM                       | 2.92/115                          | 3.56/140                      | 66.3                         | 2.61 | 8860                              | 5955  | 5475  | 3680 | 355             | 280 | 395         | 310 |
| 500 MCM                       | 2.92/115                          | 3.56/140                      | 74.4                         | 2.93 | 11660                             | 7837  | 6834  | 4593 | 430             | 340 | 485         | 385 |
| 750 MCM                       | 2.92/115                          | 3.56/140                      | 85.1                         | 3.35 | 16153                             | 10857 | 8902  | 5983 | 530             | 425 | 615         | 495 |
| 1000 MCM                      | 2.92/115                          | 3.56/140                      | 93.5                         | 3.68 | 20291                             | 13638 | 10767 | 7237 | 600             | 495 | 705         | 585 |



## Caledonian Medium Voltage Cables

| 8kV 100% Three Conductor GSIA |                                |                            |                           |      |                                |       |       |      |                 |     |             |     |
|-------------------------------|--------------------------------|----------------------------|---------------------------|------|--------------------------------|-------|-------|------|-----------------|-----|-------------|-----|
| Conductor                     | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm/in.) |      | Cable Weight (kg/km / lbs/kft) |       |       |      | Ampacity (Amps) |     |             |     |
|                               |                                |                            |                           |      |                                |       |       |      | 90°C In Duct    |     | 90°C In Air |     |
|                               |                                |                            | (D)                       |      | CU                             |       | AL    |      | CU              | AL  | CU          | AL  |
| 4 AWG                         | 2.92/115                       | 2.03/80                    | 39.9                      | 1.57 | 2389                           | 1606  | 1997  | 1342 | 115             | 89  | 120         | 95  |
| 2 AWG                         | 2.92/115                       | 2.03/80                    | 43.7                      | 1.72 | 2970                           | 1996  | 2346  | 1577 | 150             | 115 | 165         | 125 |
| 1 AWG                         | 2.92/115                       | 2.79/110                   | 45.7                      | 1.80 | 3419                           | 2298  | 2541  | 1708 | 170             | 135 | 185         | 145 |
| 1/0 AWG                       | 2.92/115                       | 2.79/110                   | 48.8                      | 1.92 | 4087                           | 2747  | 3001  | 2017 | 195             | 150 | 215         | 170 |
| 2/0 AWG                       | 2.92/115                       | 2.79/110                   | 51.3                      | 2.02 | 4632                           | 3113  | 3370  | 2265 | 220             | 170 | 245         | 190 |
| 3/0 AWG                       | 2.92/115                       | 2.79/110                   | 53.8                      | 2.12 | 5353                           | 3598  | 3705  | 2490 | 250             | 195 | 285         | 220 |
| 4/0 AWG                       | 2.92/115                       | 2.79/110                   | 57.2                      | 2.25 | 6174                           | 4150  | 4112  | 2764 | 285             | 220 | 325         | 255 |
| 250 MCM                       | 2.92/115                       | 2.79/110                   | 59.9                      | 2.36 | 6902                           | 4639  | 4477  | 3009 | 310             | 245 | 360         | 280 |
| 350 MCM                       | 2.92/115                       | 2.79/110                   | 66.3                      | 2.61 | 8860                           | 5955  | 5475  | 3680 | 375             | 295 | 435         | 345 |
| 500 MCM                       | 2.92/115                       | 3.56/140                   | 74.4                      | 2.93 | 11660                          | 7837  | 6834  | 4593 | 450             | 355 | 535         | 425 |
| 750 MCM                       | 2.92/115                       | 3.56/140                   | 85.1                      | 3.35 | 16153                          | 10857 | 8902  | 5983 | 545             | 440 | 670         | 540 |
| 1000 MCM                      | 2.92/115                       | 3.56/140                   | 93.5                      | 3.68 | 20291                          | 13638 | 10767 | 7237 | 615             | 510 | 770         | 635 |
| 8kV 133% Three Conductor GSIA |                                |                            |                           |      |                                |       |       |      |                 |     |             |     |
| 2 AWG                         | 3.56/140                       | 2.79/110                   | 47.2                      | 1.86 | 3187                           | 2142  | 2562  | 1722 | 150             | 115 | 165         | 125 |
| 1 AWG                         | 3.56/140                       | 2.79/110                   | 49.3                      | 1.94 | 3865                           | 2598  | 2989  | 2009 | 170             | 135 | 185         | 145 |
| 1/0 AWG                       | 3.56/140                       | 2.79/110                   | 51.6                      | 2.03 | 4325                           | 2907  | 3239  | 2177 | 195             | 150 | 215         | 170 |
| 2/0 AWG                       | 3.56/140                       | 2.79/110                   | 53.8                      | 2.12 | 4877                           | 3278  | 3617  | 2431 | 220             | 170 | 245         | 190 |
| 3/0 AWG                       | 3.56/140                       | 2.79/110                   | 56.6                      | 2.23 | 5608                           | 3769  | 3961  | 2662 | 250             | 195 | 285         | 220 |
| 4/0 AWG                       | 3.56/140                       | 2.79/110                   | 59.7                      | 2.35 | 6439                           | 4328  | 4377  | 2942 | 285             | 220 | 325         | 255 |
| 250 MCM                       | 3.56/140                       | 2.79/110                   | 63.5                      | 2.50 | 7280                           | 4893  | 4855  | 3263 | 310             | 245 | 360         | 280 |
| 350 MCM                       | 3.56/140                       | 2.79/110                   | 69.1                      | 2.72 | 9156                           | 6154  | 5771  | 3879 | 375             | 295 | 435         | 345 |
| 500 MCM                       | 3.56/140                       | 3.56/140                   | 77.0                      | 3.03 | 11983                          | 8054  | 7156  | 4810 | 450             | 355 | 535         | 425 |
| 750 MCM                       | 3.56/140                       | 3.56/140                   | 87.9                      | 3.46 | 16512                          | 11098 | 9260  | 6224 | 545             | 440 | 670         | 540 |
| 1000 MCM                      | 3.56/140                       | 3.56/140                   | 96.0                      | 3.78 | 20675                          | 13896 | 11151 | 7495 | 615             | 510 | 770         | 635 |

# Addison Medium Voltage Cables



| 15kV 100% Three Conductor GSIA |                                    |                                |                             |      |                                |       |       |      |                 |     |             |     |
|--------------------------------|------------------------------------|--------------------------------|-----------------------------|------|--------------------------------|-------|-------|------|-----------------|-----|-------------|-----|
| Conductor                      | Insulation Thickness<br>(mm/ mils) | Sheath Thickness<br>(mm/ mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |       |       |      | Ampacity (Amps) |     |             |     |
|                                |                                    |                                |                             |      |                                |       |       |      | 90°C In Duct    |     | 90°C In Air |     |
|                                |                                    |                                | (D)                         |      | CU                             |       | AL    |      | CU              | AL  | CU          | AL  |
| 2 AWG                          | 4.45/175                           | 2.79/110                       | 51.1                        | 2.01 | 3728                           | 2506  | 3104  | 2086 | 150             | 115 | 165         | 125 |
| 1 AWG                          | 4.45/175                           | 2.79/110                       | 53.1                        | 2.09 | 4205                           | 2826  | 3327  | 2236 | 170             | 135 | 185         | 145 |
| 1/0 AWG                        | 4.45/175                           | 2.79/110                       | 55.4                        | 2.18 | 4673                           | 3141  | 3589  | 2412 | 195             | 150 | 215         | 170 |
| 2/0 AWG                        | 4.45/175                           | 2.79/110                       | 57.7                        | 2.27 | 5237                           | 3520  | 3975  | 2672 | 220             | 170 | 245         | 190 |
| 3/0 AWG                        | 4.45/175                           | 2.79/110                       | 60.5                        | 2.38 | 5980                           | 4019  | 4331  | 2911 | 250             | 195 | 285         | 220 |
| 4/0 AWG                        | 4.45/175                           | 2.79/110                       | 64.5                        | 2.54 | 6930                           | 4658  | 4868  | 3272 | 285             | 220 | 325         | 255 |
| 250 MCM                        | 4.45/175                           | 2.79/110                       | 67.3                        | 2.65 | 7685                           | 5165  | 5259  | 3535 | 310             | 245 | 360         | 280 |
| 350 MCM                        | 4.45/175                           | 3.56/140                       | 73.9                        | 2.91 | 9699                           | 6519  | 6314  | 4244 | 375             | 295 | 435         | 345 |
| 500 MCM                        | 4.45/175                           | 3.56/140                       | 81.0                        | 3.19 | 12448                          | 8367  | 7622  | 5123 | 450             | 355 | 535         | 425 |
| 750 MCM                        | 4.45/175                           | 3.56/140                       | 91.7                        | 3.61 | 17028                          | 11445 | 9776  | 6571 | 545             | 440 | 670         | 540 |
| 1000 MCM                       | 4.45/175                           | 3.56/140                       | 100.8                       | 3.97 | 21375                          | 14367 | 11852 | 7966 | 615             | 510 | 770         | 635 |
| 15kV 133% Three Conductor GSIA |                                    |                                |                             |      |                                |       |       |      |                 |     |             |     |
| 2 AWG                          | 5.59/220                           | 2.79/110                       | 55.9                        | 2.20 | 4176                           | 2807  | 3551  | 2387 | 150             | 115 | 165         | 125 |
| 1 AWG                          | 5.59/220                           | 2.79/110                       | 58.2                        | 2.29 | 4664                           | 3135  | 3788  | 2546 | 170             | 135 | 185         | 145 |
| 1/0 AWG                        | 5.59/220                           | 2.79/110                       | 60.2                        | 2.37 | 5146                           | 3459  | 4060  | 2729 | 195             | 150 | 215         | 170 |
| 2/0 AWG                        | 5.59/220                           | 2.79/110                       | 63.5                        | 2.50 | 5828                           | 3917  | 4568  | 3070 | 220             | 170 | 245         | 190 |
| 3/0 AWG                        | 5.59/220                           | 2.79/110                       | 66.3                        | 2.61 | 6591                           | 4430  | 4942  | 3322 | 250             | 195 | 285         | 220 |
| 4/0 AWG                        | 5.59/220                           | 2.79/110                       | 69.3                        | 2.73 | 7460                           | 5014  | 5396  | 3627 | 285             | 220 | 325         | 255 |
| 250 MCM                        | 5.59/220                           | 2.79/110                       | 73.2                        | 2.88 | 8341                           | 5606  | 5916  | 3976 | 310             | 245 | 360         | 280 |
| 350 MCM                        | 5.59/220                           | 3.56/140                       | 78.7                        | 3.10 | 10282                          | 6911  | 6897  | 4636 | 375             | 295 | 435         | 345 |
| 500 MCM                        | 5.59/220                           | 3.56/140                       | 86.4                        | 3.40 | 13169                          | 8851  | 8342  | 5607 | 450             | 355 | 535         | 425 |
| 750 MCM                        | 5.59/220                           | 3.56/140                       | 96.8                        | 3.81 | 17718                          | 11909 | 10467 | 7035 | 545             | 440 | 670         | 540 |
| 1000 MCM                       | 5.59/220                           | 3.56/140                       | 105.9                       | 4.17 | 22118                          | 14866 | 12594 | 8465 | 615             | 510 | 770         | 635 |



## Caledonian Medium Voltage Cables

| 25kV 100% Three Conductor GSIA |                                |                            |                             |      |                                |       |       |      |                 |     |             |     |
|--------------------------------|--------------------------------|----------------------------|-----------------------------|------|--------------------------------|-------|-------|------|-----------------|-----|-------------|-----|
| Conductor                      | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |       |       |      | Ampacity (Amps) |     |             |     |
|                                |                                |                            |                             |      |                                |       |       |      | 90°C In Duct    |     | 90°C In Air |     |
|                                |                                |                            | (D)                         |      | CU                             |       | AL    |      | CU              | AL  | CU          | AL  |
| 1 AWG                          | 6.60/260                       | 2.79/110                   | 63.2                        | 2.49 | 5201                           | 3496  | 4325  | 2907 | 170             | 135 | 185         | 145 |
| 1/0 AWG                        | 6.60/260                       | 2.79/110                   | 65.5                        | 2.58 | 5698                           | 3830  | 4612  | 3100 | 195             | 150 | 215         | 170 |
| 2/0 AWG                        | 6.60/260                       | 2.79/110                   | 67.8                        | 2.67 | 6292                           | 4229  | 5030  | 3381 | 220             | 170 | 245         | 190 |
| 3/0 AWG                        | 6.60/260                       | 2.79/110                   | 71.4                        | 2.81 | 7179                           | 4825  | 5530  | 3717 | 250             | 195 | 285         | 220 |
| 4/0 AWG                        | 6.60/260                       | 3.56/140                   | 74.7                        | 2.94 | 8067                           | 5422  | 6005  | 4036 | 285             | 220 | 325         | 255 |
| 250 MCM                        | 6.60/260                       | 3.56/140                   | 77.5                        | 3.05 | 8855                           | 5952  | 6430  | 4322 | 310             | 245 | 360         | 280 |
| 350 MCM                        | 6.60/260                       | 3.56/140                   | 83.6                        | 3.29 | 10918                          | 7338  | 7533  | 5063 | 375             | 295 | 435         | 345 |
| 500 MCM                        | 6.60/260                       | 3.56/140                   | 90.7                        | 3.57 | 13753                          | 9244  | 8927  | 6000 | 450             | 355 | 535         | 425 |
| 750 MCM                        | 6.60/260                       | 3.56/140                   | 101.9                       | 4.01 | 18502                          | 12436 | 11251 | 7562 | 545             | 440 | 670         | 540 |
| 25kV 133% Three Conductor GSIA |                                |                            |                             |      |                                |       |       |      |                 |     |             |     |
| 1/0 AWG                        | 8.76/345                       | 3.56/140                   | 75.9                        | 2.99 | 6874                           | 4620  | 5788  | 3890 | 195             | 150 | 215         | 170 |
| 2/0 AWG                        | 8.76/345                       | 3.56/140                   | 78.2                        | 3.08 | 7497                           | 5039  | 6235  | 4191 | 220             | 170 | 245         | 190 |
| 3/0 AWG                        | 8.76/345                       | 3.56/140                   | 81.0                        | 3.19 | 8308                           | 5584  | 6659  | 4476 | 250             | 195 | 285         | 220 |
| 4/0 AWG                        | 8.76/345                       | 3.56/140                   | 84.6                        | 3.33 | 9324                           | 6267  | 7262  | 4881 | 285             | 220 | 325         | 255 |
| 250 MCM                        | 8.76/345                       | 3.56/140                   | 87.6                        | 3.45 | 10147                          | 6820  | 7722  | 5190 | 310             | 245 | 360         | 280 |
| 350 MCM                        | 8.76/345                       | 3.56/140                   | 93.2                        | 3.67 | 12187                          | 8191  | 8802  | 5916 | 375             | 295 | 435         | 345 |
| 500 MCM                        | 8.76/345                       | 3.56/140                   | 101.1                       | 3.98 | 15249                          | 10249 | 10422 | 7005 | 450             | 355 | 535         | 425 |

# Addison Medium Voltage Cables



| 35kV 100% Three Conductor GSIA |                                |                            |                             |      |                                |       |       |      |                 |     |             |     |
|--------------------------------|--------------------------------|----------------------------|-----------------------------|------|--------------------------------|-------|-------|------|-----------------|-----|-------------|-----|
| Conductor                      | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |       |       |      | Ampacity (Amps) |     |             |     |
|                                |                                |                            |                             |      |                                |       |       |      | 90°C In Duct    |     | 90°C In Air |     |
|                                |                                |                            | (D)                         |      | CU                             |       | AL    |      | CU              | AL  | CU          | AL  |
| 1/0 AWG                        | 8.76/345                       | 3.56/140                   | 75.9                        | 2.99 | 6874                           | 4620  | 5788  | 3890 | 195             | 150 | 215         | 170 |
| 2/0 AWG                        | 8.76/345                       | 3.56/140                   | 78.2                        | 3.08 | 7497                           | 5039  | 6235  | 4191 | 220             | 170 | 245         | 190 |
| 3/0 AWG                        | 8.76/345                       | 3.56/140                   | 81.0                        | 3.19 | 8308                           | 5584  | 6659  | 4476 | 250             | 195 | 285         | 220 |
| 4/0 AWG                        | 8.76/345                       | 3.56/140                   | 84.6                        | 3.33 | 9324                           | 6267  | 7262  | 4881 | 285             | 220 | 325         | 255 |
| 250 MCM                        | 8.76/345                       | 3.56/140                   | 87.6                        | 3.45 | 10147                          | 6820  | 7722  | 5190 | 310             | 245 | 360         | 280 |
| 350 MCM                        | 8.76/345                       | 3.56/140                   | 93.2                        | 3.67 | 12187                          | 8191  | 8802  | 5916 | 375             | 295 | 435         | 345 |
| 500 MCM                        | 8.76/345                       | 3.56/140                   | 101.1                       | 3.98 | 15249                          | 10249 | 10422 | 7005 | 450             | 355 | 535         | 425 |
| 35kV 133% Three Conductor GSIA |                                |                            |                             |      |                                |       |       |      |                 |     |             |     |
| 1/0 AWG                        | 10.67/420                      | 3.56/140                   | 84.8                        | 3.34 | 8004                           | 5380  | 6918  | 4650 | 195             | 150 | 215         | 170 |
| 2/0 AWG                        | 10.67/420                      | 3.56/140                   | 87.1                        | 3.43 | 8653                           | 5816  | 7393  | 4969 | 220             | 170 | 245         | 190 |
| 3/0 AWG                        | 10.67/420                      | 3.56/140                   | 89.9                        | 3.54 | 9494                           | 6381  | 7847  | 5274 | 250             | 195 | 285         | 220 |
| 4/0 AWG                        | 10.67/420                      | 3.56/140                   | 93.2                        | 3.67 | 10452                          | 7025  | 8390  | 5639 | 285             | 220 | 325         | 255 |
| 250 MCM                        | 10.67/420                      | 3.56/140                   | 96.0                        | 3.78 | 11303                          | 7597  | 8878  | 5967 | 310             | 245 | 360         | 280 |
| 350 MCM                        | 10.67/420                      | 3.56/140                   | 102.6                       | 4.04 | 13546                          | 9105  | 10162 | 6830 | 375             | 295 | 435         | 345 |



# Caledonian Medium Voltage Cables

## EPR INSULATED CABLES MV-105

### Tape Shielded Cables

| 5kV 100% Three Conductor |                                |                            |                           |      |                                |       |      |      |                 |     |             |     |
|--------------------------|--------------------------------|----------------------------|---------------------------|------|--------------------------------|-------|------|------|-----------------|-----|-------------|-----|
| Conductor                | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm/in.) |      | Cable Weight (kg/km / lbs/kft) |       |      |      | Ampacity (Amps) |     |             |     |
|                          |                                |                            |                           |      |                                |       |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                          |                                |                            | (D)                       |      | CU                             |       | AL   |      | CU              | AL  | CU          | AL  |
| 4 AWG                    | 2.29/90                        | 2.03/80                    | 33.3                      | 1.31 | 1675                           | 1126  | 1282 | 862  | 110             | 86  | 115         | 90  |
| 2 AWG                    | 2.29/90                        | 2.03/80                    | 36.1                      | 1.42 | 2136                           | 1436  | 1512 | 1016 | 145             | 110 | 154         | 120 |
| 1 AWG                    | 2.29/90                        | 2.03/80                    | 37.8                      | 1.49 | 2443                           | 1642  | 1654 | 1112 | 165             | 130 | 180         | 140 |
| 1/0 AWG                  | 2.29/90                        | 2.03/80                    | 40.1                      | 1.58 | 2848                           | 1914  | 1839 | 1236 | 190             | 150 | 205         | 160 |
| 2/0 AWG                  | 2.29/90                        | 2.80/110                   | 42.7                      | 1.68 | 3444                           | 2315  | 2144 | 1441 | 220             | 170 | 240         | 185 |
| 3/0 AWG                  | 2.29/90                        | 2.80/110                   | 46.0                      | 1.81 | 4138                           | 2781  | 2555 | 1717 | 250             | 195 | 280         | 215 |
| 4/0 AWG                  | 2.29/90                        | 2.80/110                   | 49.3                      | 1.94 | 4877                           | 3278  | 2888 | 1941 | 285             | 220 | 320         | 250 |
| 250 MCM                  | 2.29/90                        | 2.80/110                   | 51.8                      | 2.04 | 5542                           | 3725  | 3197 | 2149 | 315             | 245 | 355         | 280 |
| 350 MCM                  | 2.29/90                        | 2.80/110                   | 57.4                      | 2.26 | 7247                           | 4871  | 3946 | 2652 | 380             | 310 | 440         | 345 |
| 500 MCM                  | 2.29/90                        | 2.80/110                   | 64.8                      | 2.55 | 9806                           | 6591  | 5099 | 3427 | 460             | 365 | 545         | 430 |
| 750 MCM                  | 2.29/90                        | 3.56/140                   | 76.5                      | 3.01 | 14267                          | 9589  | 7058 | 4744 | 570             | 460 | 685         | 550 |
| 1000 MCM                 | 2.29/90                        | 3.56/140                   | 84.8                      | 3.34 | 18235                          | 12256 | 8793 | 5910 | 645             | 535 | 790         | 650 |
| 5kV 133% Three Conductor |                                |                            |                           |      |                                |       |      |      |                 |     |             |     |
| 4 AWG                    | 2.92/115                       | 2.03/80                    | 35.8                      | 1.41 | 1834                           | 1233  | 969  | 969  | 110             | 86  | 115         | 90  |
| 2 AWG                    | 2.92/115                       | 2.03/80                    | 38.6                      | 1.52 | 2306                           | 1550  | 1129 | 1130 | 145             | 110 | 154         | 120 |
| 1 AWG                    | 2.92/115                       | 2.03/80                    | 40.6                      | 1.60 | 2619                           | 1760  | 1230 | 1230 | 165             | 130 | 180         | 140 |
| 1/0 AWG                  | 2.92/115                       | 2.03/80                    | 42.9                      | 1.69 | 3032                           | 2038  | 1358 | 1359 | 190             | 150 | 205         | 160 |
| 2/0 AWG                  | 2.92/115                       | 2.80/110                   | 46.2                      | 1.82 | 3740                           | 2514  | 1672 | 1672 | 220             | 170 | 240         | 185 |
| 3/0 AWG                  | 2.92/115                       | 2.80/110                   | 48.8                      | 1.92 | 4349                           | 2923  | 1858 | 1859 | 250             | 195 | 280         | 215 |
| 4/0 AWG                  | 2.92/115                       | 2.80/110                   | 51.8                      | 2.04 | 5100                           | 3428  | 2090 | 2091 | 285             | 220 | 320         | 250 |
| 250 MCM                  | 2.92/115                       | 2.80/110                   | 54.6                      | 2.15 | 5776                           | 3882  | 2306 | 2306 | 315             | 245 | 355         | 280 |
| 350 MCM                  | 2.92/115                       | 2.80/110                   | 60.2                      | 2.37 | 7502                           | 5042  | 2822 | 2823 | 380             | 310 | 440         | 345 |
| 500 MCM                  | 2.92/115                       | 2.80/110                   | 67.6                      | 2.66 | 10089                          | 6781  | 3617 | 3617 | 460             | 365 | 545         | 430 |
| 750 MCM                  | 2.92/115                       | 3.56/140                   | 79.0                      | 3.11 | 14597                          | 9811  | 4966 | 4967 | 570             | 460 | 685         | 550 |
| 1000 MCM                 | 2.92/115                       | 3.56/140                   | 87.6                      | 3.45 | 18598                          | 12500 | 6152 | 6154 | 645             | 535 | 790         | 650 |



# Addison Medium Voltage Cables



| 8kV 100%  |                                |                            |                           |      |                                |       |      |      |                 |     |             |     |
|-----------|--------------------------------|----------------------------|---------------------------|------|--------------------------------|-------|------|------|-----------------|-----|-------------|-----|
| Conductor | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm/in.) |      | Cable Weight (kg/km / lbs/kft) |       |      |      | Ampacity (Amps) |     |             |     |
|           |                                |                            |                           |      |                                |       |      |      | 90°C In Duct    |     | 90°C In Air |     |
|           |                                |                            | (D)                       |      | CU                             |       | AL   |      | CU              | AL  | CU          | AL  |
| 4 AWG     | 2.92/115                       | 2.03/80                    | 35.8                      | 1.41 | 1834                           | 1233  | 1442 | 969  | 125             | 96  | 135         | 105 |
| 2 AWG     | 2.92/115                       | 2.03/80                    | 38.6                      | 1.52 | 2306                           | 1550  | 1681 | 1130 | 160             | 125 | 185         | 145 |
| 1 AWG     | 2.92/115                       | 2.03/80                    | 40.6                      | 1.60 | 2619                           | 1760  | 1830 | 1230 | 185             | 145 | 210         | 165 |
| 1/0 AWG   | 2.92/115                       | 2.80/110                   | 42.9                      | 1.69 | 3032                           | 2038  | 2022 | 1359 | 210             | 165 | 240         | 185 |
| 2/0 AWG   | 2.92/115                       | 2.80/110                   | 46.2                      | 1.82 | 3740                           | 2514  | 2488 | 1672 | 235             | 185 | 275         | 215 |
| 3/0 AWG   | 2.92/115                       | 2.80/110                   | 48.8                      | 1.92 | 4349                           | 2923  | 2766 | 1859 | 270             | 210 | 315         | 245 |
| 4/0 AWG   | 2.92/115                       | 2.80/110                   | 51.8                      | 2.04 | 5100                           | 3428  | 3111 | 2091 | 305             | 240 | 360         | 285 |
| 250 MCM   | 2.92/115                       | 2.80/110                   | 54.6                      | 2.15 | 5776                           | 3882  | 3431 | 2306 | 335             | 265 | 400         | 315 |
| 350 MCM   | 2.92/115                       | 2.80/110                   | 60.2                      | 2.37 | 7502                           | 5042  | 4200 | 2823 | 400             | 315 | 490         | 385 |
| 500 MCM   | 2.92/115                       | 3.56/140                   | 67.6                      | 2.66 | 10089                          | 6781  | 5381 | 3617 | 485             | 385 | 600         | 475 |
| 750 MCM   | 2.92/115                       | 3.56/140                   | 79.0                      | 3.11 | 14597                          | 9811  | 7390 | 4967 | 585             | 475 | 745         | 600 |
| 1000 MCM  | 2.92/115                       | 3.56/140                   | 87.6                      | 3.45 | 18598                          | 12500 | 9156 | 6154 | 660             | 545 | 860         | 705 |
| 8kV 133%  |                                |                            |                           |      |                                |       |      |      |                 |     |             |     |
| 2 AWG     | 3.56/140                       | 2.03/80                    | 41.4                      | 1.63 | 2485                           | 1670  | 1861 | 1251 | 160             | 125 | 185         | 145 |
| 1 AWG     | 3.56/140                       | 2.80/110                   | 44.7                      | 1.76 | 2952                           | 1984  | 2162 | 1453 | 185             | 145 | 210         | 165 |
| 1/0 AWG   | 3.56/140                       | 2.80/110                   | 47.0                      | 1.85 | 3382                           | 2273  | 2369 | 1592 | 210             | 165 | 240         | 185 |
| 2/0 AWG   | 3.56/140                       | 2.80/110                   | 49.0                      | 1.93 | 3952                           | 2656  | 2700 | 1815 | 235             | 185 | 275         | 215 |
| 3/0 AWG   | 3.56/140                       | 2.80/110                   | 51.6                      | 2.03 | 4572                           | 3073  | 2988 | 2008 | 270             | 210 | 315         | 245 |
| 4/0 AWG   | 3.56/140                       | 2.80/110                   | 54.6                      | 2.15 | 5334                           | 3585  | 3345 | 2248 | 305             | 240 | 360         | 285 |
| 250 MCM   | 3.56/140                       | 2.80/110                   | 57.4                      | 2.26 | 6020                           | 4046  | 3675 | 2470 | 335             | 265 | 400         | 315 |
| 350 MCM   | 3.56/140                       | 2.80/110                   | 62.7                      | 2.47 | 7766                           | 5220  | 4465 | 3001 | 400             | 315 | 490         | 385 |
| 500 MCM   | 3.56/140                       | 3.56/140                   | 71.9                      | 2.83 | 10617                          | 7136  | 5910 | 3972 | 485             | 385 | 600         | 475 |
| 750 MCM   | 3.56/140                       | 3.56/140                   | 81.8                      | 3.22 | 14938                          | 10040 | 7731 | 5196 | 585             | 475 | 745         | 600 |
| 1000 MCM  | 3.56/140                       | 3.56/140                   | 90.4                      | 3.56 | 18973                          | 12752 | 9529 | 6405 | 660             | 545 | 860         | 705 |



## Caledonian Medium Voltage Cables

| 15kV 100% to ICEA Standard |                                    |                                |                                |      |                                   |       |       |      |                 |     |             |     |
|----------------------------|------------------------------------|--------------------------------|--------------------------------|------|-----------------------------------|-------|-------|------|-----------------|-----|-------------|-----|
| Conductor                  | Insulation Thickness<br>(mm/ mils) | Sheath Thickness<br>(mm/ mils) | Overall Diameter<br>(mm / in.) |      | Cable Weight<br>(kg/km / lbs/kft) |       |       |      | Ampacity (Amps) |     |             |     |
|                            |                                    |                                |                                |      |                                   |       |       |      | 90°C In Duct    |     | 90°C In Air |     |
|                            |                                    |                                | (D)                            |      | CU                                |       | AL    |      | CU              | AL  | CU          | AL  |
| 2 AWG                      | 4.45/175                           | 2.80/110                       | 46.7                           | 1.84 | 2907                              | 1954  | 2282  | 1534 | 160             | 125 | 185         | 145 |
| 1 AWG                      | 4.45/175                           | 2.80/110                       | 48.5                           | 1.91 | 3243                              | 2180  | 2453  | 1649 | 185             | 145 | 210         | 165 |
| 1/0 AWG                    | 4.45/175                           | 2.80/110                       | 50.8                           | 2.00 | 3685                              | 2477  | 2672  | 1796 | 210             | 165 | 240         | 185 |
| 2/0 AWG                    | 4.45/175                           | 2.80/110                       | 52.8                           | 2.08 | 4267                              | 2868  | 3016  | 2027 | 235             | 185 | 275         | 215 |
| 3/0 AWG                    | 4.45/175                           | 2.80/110                       | 55.4                           | 2.18 | 4899                              | 3293  | 3316  | 2229 | 270             | 210 | 315         | 245 |
| 4/0 AWG                    | 4.45/175                           | 2.80/110                       | 58.4                           | 2.30 | 5679                              | 3817  | 3690  | 2480 | 305             | 240 | 360         | 285 |
| 250 MCM                    | 4.45/175                           | 2.80/110                       | 61.2                           | 2.41 | 6378                              | 4287  | 4035  | 2712 | 335             | 265 | 400         | 315 |
| 350 MCM                    | 4.45/175                           | 3.56/140                       | 67.6                           | 2.66 | 8250                              | 5545  | 4947  | 3325 | 400             | 315 | 490         | 385 |
| 500 MCM                    | 4.45/175                           | 3.56/140                       | 75.7                           | 2.98 | 11059                             | 7433  | 6351  | 4269 | 485             | 385 | 600         | 475 |
| 750 MCM                    | 4.45/175                           | 3.56/140                       | 85.6                           | 3.37 | 15433                             | 10373 | 8226  | 5529 | 585             | 475 | 745         | 600 |
| 1000 MCM                   | 4.45/175                           | 3.56/140                       | 95.0                           | 3.74 | 19642                             | 13202 | 10200 | 6856 | 660             | 545 | 860         | 705 |
| 15kV 133% to ICEA Standard |                                    |                                |                                |      |                                   |       |       |      |                 |     |             |     |
| 2 AWG                      | 5.59/220                           | 2.80/110                       | 51.8                           | 2.04 | 3300                              | 2218  | 2675  | 1798 | 160             | 125 | 185         | 145 |
| 1 AWG                      | 5.59/220                           | 2.80/110                       | 53.6                           | 2.11 | 3648                              | 2452  | 2860  | 1922 | 185             | 145 | 210         | 165 |
| 1/0 AWG                    | 5.59/220                           | 2.80/110                       | 55.9                           | 2.20 | 4106                              | 2760  | 3090  | 2077 | 210             | 165 | 240         | 185 |
| 2/0 AWG                    | 5.59/220                           | 2.80/110                       | 57.7                           | 2.27 | 4701                              | 3160  | 3452  | 2320 | 235             | 185 | 275         | 215 |
| 3/0 AWG                    | 5.59/220                           | 2.80/110                       | 60.5                           | 2.38 | 5352                              | 3597  | 3769  | 2533 | 270             | 210 | 315         | 245 |
| 4/0 AWG                    | 5.59/220                           | 2.80/110                       | 63.5                           | 2.50 | 6154                              | 4136  | 4163  | 2798 | 305             | 240 | 360         | 285 |
| 250 MCM                    | 5.59/220                           | 2.80/110                       | 67.1                           | 2.64 | 6964                              | 4681  | 4620  | 3105 | 335             | 265 | 400         | 315 |
| 350 MCM                    | 5.59/220                           | 3.56/140                       | 73.9                           | 2.91 | 9028                              | 6068  | 5725  | 3848 | 400             | 315 | 490         | 385 |
| 500 MCM                    | 5.59/220                           | 3.56/140                       | 80.5                           | 3.17 | 11657                             | 7835  | 6950  | 4671 | 485             | 385 | 600         | 475 |
| 750 MCM                    | 5.59/220                           | 3.56/140                       | 90.7                           | 3.57 | 16101                             | 10822 | 8894  | 5978 | 585             | 475 | 745         | 600 |
| 1000 MCM                   | 5.59/220                           | 3.56/140                       | 100.1                          | 3.94 | 20374                             | 13694 | 10932 | 7348 | 660             | 545 | 860         | 705 |

# Addison Medium Voltage Cables



| 25kV 100% to ICEA Standard |                                |                            |                             |      |                                |       |       |      |                 |     |             |     |
|----------------------------|--------------------------------|----------------------------|-----------------------------|------|--------------------------------|-------|-------|------|-----------------|-----|-------------|-----|
| Conductor                  | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |       |       |      | Ampacity (Amps) |     |             |     |
|                            |                                |                            |                             |      |                                |       |       |      | 90°C In Duct    |     | 90°C In Air |     |
|                            |                                |                            | (D)                         |      | CU                             |       | AL    |      | CU              | AL  | CU          | AL  |
| 1 AWG                      | 6.60/260                       | 2.80/110                   | 57.9                        | 2.28 | 4038                           | 2714  | 3248  | 2183 | 185             | 145 | 210         | 165 |
| 1/0 AWG                    | 6.60/260                       | 2.80/110                   | 60.2                        | 2.37 | 4510                           | 3031  | 3492  | 2347 | 210             | 165 | 240         | 185 |
| 2/0 AWG                    | 6.60/260                       | 2.80/110                   | 62.2                        | 2.45 | 5117                           | 3439  | 3867  | 2599 | 235             | 185 | 275         | 215 |
| 3/0 AWG                    | 6.60/260                       | 2.80/110                   | 65.5                        | 2.58 | 5874                           | 3948  | 4291  | 2884 | 270             | 210 | 315         | 245 |
| 4/0 AWG                    | 6.60/260                       | 3.56/140                   | 68.6                        | 2.70 | 6698                           | 4502  | 4707  | 3164 | 305             | 240 | 360         | 285 |
| 250 MCM                    | 6.60/260                       | 3.56/140                   | 72.9                        | 2.87 | 7674                           | 5158  | 5329  | 3582 | 335             | 265 | 400         | 315 |
| 350 MCM                    | 6.60/260                       | 3.56/140                   | 78.5                        | 3.09 | 9547                           | 6417  | 6246  | 4198 | 400             | 315 | 490         | 385 |
| 500 MCM                    | 6.60/260                       | 3.56/140                   | 85.1                        | 3.35 | 12216                          | 8211  | 7509  | 5047 | 485             | 385 | 600         | 475 |
| 750 MCM                    | 6.60/260                       | 3.56/140                   | 96.0                        | 3.78 | 16854                          | 11328 | 9645  | 6483 | 585             | 475 | 745         | 600 |
| 1000 MCM                   | 6.60/260                       | 3.56/140                   | 104.4                       | 4.11 | 21054                          | 14151 | 11611 | 7804 | 660             | 545 | 860         | 705 |
| 25kV 133% to ICEA Standard |                                |                            |                             |      |                                |       |       |      |                 |     |             |     |
| 1/0 AWG                    | 8.76/345                       | 3.56/140                   | 72.1                        | 2.84 | 5813                           | 3907  | 4791  | 3220 | 210             | 165 | 240         | 185 |
| 2/0 AWG                    | 8.76/345                       | 3.56/140                   | 74.2                        | 2.92 | 6454                           | 4338  | 5207  | 3500 | 235             | 185 | 275         | 215 |
| 3/0 AWG                    | 8.76/345                       | 3.56/140                   | 76.7                        | 3.02 | 7167                           | 4817  | 5584  | 3753 | 270             | 210 | 315         | 245 |
| 4/0 AWG                    | 8.76/345                       | 3.56/140                   | 79.8                        | 3.14 | 8042                           | 5405  | 6052  | 4068 | 305             | 240 | 360         | 285 |
| 250 MCM                    | 8.76/345                       | 3.56/140                   | 82.6                        | 3.25 | 8824                           | 5931  | 6479  | 4355 | 335             | 265 | 400         | 315 |
| 350 MCM                    | 8.76/345                       | 3.56/140                   | 87.9                        | 3.46 | 10770                          | 7239  | 7469  | 5020 | 400             | 315 | 490         | 385 |
| 500 MCM                    | 8.76/345                       | 3.56/140                   | 95.5                        | 3.76 | 13658                          | 9180  | 8951  | 6016 | 485             | 385 | 600         | 475 |



## Caledonian Medium Voltage Cables

| 35kV 100% to ICEA Standard |                                |                            |                             |      |                                |       |       |      |                 |     |             |     |
|----------------------------|--------------------------------|----------------------------|-----------------------------|------|--------------------------------|-------|-------|------|-----------------|-----|-------------|-----|
| Conductor                  | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |       |       |      | Ampacity (Amps) |     |             |     |
|                            |                                |                            |                             |      |                                |       |       |      | 90°C In Duct    |     | 90°C In Air |     |
|                            |                                |                            | (D)                         |      | CU                             |       | AL    |      | CU              | AL  | CU          | AL  |
| 1/0 AWG                    | 8.76/345                       | 3.56/140                   | 72.1                        | 2.84 | 5813                           | 3907  | 4791  | 3220 | 210             | 165 | 240         | 185 |
| 2/0 AWG                    | 8.76/345                       | 3.56/140                   | 74.2                        | 2.92 | 6454                           | 4338  | 5207  | 3500 | 235             | 185 | 275         | 215 |
| 3/0 AWG                    | 8.76/345                       | 3.56/140                   | 76.7                        | 3.02 | 7167                           | 4817  | 5584  | 3753 | 270             | 210 | 315         | 245 |
| 4/0 AWG                    | 8.76/345                       | 3.56/140                   | 79.8                        | 3.14 | 8042                           | 5405  | 6052  | 4068 | 305             | 240 | 360         | 285 |
| 250 MCM                    | 8.76/345                       | 3.56/140                   | 82.6                        | 3.25 | 8824                           | 5931  | 6479  | 4355 | 335             | 265 | 400         | 315 |
| 350 MCM                    | 8.76/345                       | 3.56/140                   | 87.9                        | 3.46 | 10770                          | 7239  | 7469  | 5020 | 400             | 315 | 490         | 385 |
| 500 MCM                    | 8.76/345                       | 3.56/140                   | 95.5                        | 3.76 | 13658                          | 9180  | 8951  | 6016 | 485             | 385 | 600         | 475 |
| 35kV 133% to ICEA Standard |                                |                            |                             |      |                                |       |       |      |                 |     |             |     |
| 1/0 AWG                    | 10.67/420                      | 3.56/140                   | 80.5                        | 3.17 | 6789                           | 4563  | 5764  | 3874 | 210             | 165 | 240         | 185 |
| 2/0 AWG                    | 10.67/420                      | 3.56/140                   | 82.3                        | 3.24 | 7452                           | 5009  | 6207  | 4172 | 235             | 185 | 275         | 215 |
| 3/0 AWG                    | 10.67/420                      | 3.56/140                   | 84.8                        | 3.34 | 8195                           | 5508  | 6612  | 4444 | 270             | 210 | 315         | 245 |
| 4/0 AWG                    | 10.67/420                      | 3.56/140                   | 87.9                        | 3.46 | 9105                           | 6120  | 7115  | 4782 | 305             | 240 | 360         | 285 |
| 250 MCM                    | 10.67/420                      | 3.56/140                   | 90.7                        | 3.57 | 9918                           | 6666  | 7574  | 5091 | 335             | 265 | 400         | 315 |
| 350 MCM                    | 10.67/420                      | 3.56/140                   | 97.0                        | 3.82 | 12060                          | 8106  | 8759  | 5887 | 400             | 315 | 490         | 385 |
| 500 MCM                    | 10.67/420                      | 3.56/140                   | 103.6                       | 4.08 | 14902                          | 10016 | 10194 | 6852 | 485             | 385 | 600         | 475 |

# Addison Medium Voltage Cables



## Armoured Tape Shielded Cables AIA

| 5kV 100% Three Conductor AIA |                                |                            |                           |      |                                |       |      |      |                 |     |             |     |
|------------------------------|--------------------------------|----------------------------|---------------------------|------|--------------------------------|-------|------|------|-----------------|-----|-------------|-----|
| Conductor                    | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm/in.) |      | Cable Weight (kg/km / lbs/kft) |       |      |      | Ampacity (Amps) |     |             |     |
|                              |                                |                            |                           |      |                                |       |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                              |                                |                            | (D)                       |      | CU                             |       | AL   |      | CU              | AL  | CU          | AL  |
| 4 AWG                        | 2.29/90                        | 2.03/80                    | 37.3                      | 1.47 | 1882                           | 1265  | 1489 | 1001 | 110             | 86  | 115         | 90  |
| 2 AWG                        | 2.29/90                        | 2.03/80                    | 40.1                      | 1.58 | 2358                           | 1585  | 1733 | 1165 | 145             | 110 | 154         | 120 |
| 1 AWG                        | 2.29/90                        | 2.03/80                    | 42.7                      | 1.68 | 2721                           | 1829  | 1931 | 1298 | 165             | 130 | 180         | 140 |
| 1/0 AWG                      | 2.29/90                        | 2.03/80                    | 45.0                      | 1.77 | 3141                           | 2111  | 2129 | 1431 | 190             | 150 | 205         | 160 |
| 2/0 AWG                      | 2.29/90                        | 2.80/110                   | 47.2                      | 1.86 | 3779                           | 2540  | 2526 | 1698 | 220             | 170 | 240         | 185 |
| 3/0 AWG                      | 2.29/90                        | 2.80/110                   | 49.8                      | 1.96 | 4391                           | 2951  | 2807 | 1887 | 250             | 195 | 280         | 215 |
| 4/0 AWG                      | 2.29/90                        | 2.80/110                   | 52.8                      | 2.08 | 5145                           | 3458  | 3156 | 2121 | 285             | 220 | 320         | 250 |
| 250 MCM                      | 2.29/90                        | 2.80/110                   | 55.6                      | 2.19 | 5823                           | 3914  | 3478 | 2338 | 315             | 245 | 355         | 280 |
| 350 MCM                      | 2.29/90                        | 2.80/110                   | 62.0                      | 2.44 | 7656                           | 5146  | 4355 | 2927 | 380             | 310 | 440         | 345 |
| 500 MCM                      | 2.29/90                        | 2.80/110                   | 69.3                      | 2.73 | 10263                          | 6898  | 5555 | 3734 | 460             | 365 | 545         | 430 |
| 750 MCM                      | 2.29/90                        | 3.56/140                   | 79.8                      | 3.14 | 14628                          | 9832  | 7420 | 4987 | 570             | 460 | 685         | 550 |
| 1000 MCM                     | 2.29/90                        | 3.56/140                   | 88.4                      | 3.48 | 18633                          | 12524 | 9190 | 6177 | 645             | 535 | 790         | 650 |
| 5kV 133% Three Conductor AIA |                                |                            |                           |      |                                |       |      |      |                 |     |             |     |
| 4 AWG                        | 2.92/115                       | 2.03/80                    | 40.1                      | 1.58 | 2055                           | 1381  | 1662 | 1117 | 110             | 86  | 115         | 90  |
| 2 AWG                        | 2.92/115                       | 2.03/80                    | 43.4                      | 1.71 | 2589                           | 1740  | 1965 | 1321 | 145             | 110 | 154         | 120 |
| 1 AWG                        | 2.92/115                       | 2.03/80                    | 45.2                      | 1.78 | 2915                           | 1959  | 2126 | 1429 | 165             | 130 | 180         | 140 |
| 1/0 AWG                      | 2.92/115                       | 2.03/80                    | 48.0                      | 1.89 | 3420                           | 2299  | 2409 | 1619 | 190             | 150 | 205         | 160 |
| 2/0 AWG                      | 2.92/115                       | 2.80/110                   | 50.0                      | 1.97 | 3993                           | 2684  | 2742 | 1843 | 220             | 170 | 240         | 185 |
| 3/0 AWG                      | 2.92/115                       | 2.80/110                   | 52.6                      | 2.07 | 4615                           | 3102  | 3032 | 2038 | 250             | 195 | 280         | 215 |
| 4/0 AWG                      | 2.92/115                       | 2.80/110                   | 55.6                      | 2.19 | 5381                           | 3617  | 3392 | 2280 | 285             | 220 | 320         | 250 |
| 250 MCM                      | 2.92/115                       | 2.80/110                   | 58.4                      | 2.30 | 6070                           | 4080  | 3725 | 2504 | 315             | 245 | 355         | 280 |
| 350 MCM                      | 2.92/115                       | 2.80/110                   | 64.5                      | 2.54 | 7929                           | 5329  | 4627 | 3110 | 380             | 310 | 440         | 345 |
| 500 MCM                      | 2.92/115                       | 2.80/110                   | 72.1                      | 2.84 | 10565                          | 7101  | 5858 | 3937 | 460             | 365 | 545         | 430 |
| 750 MCM                      | 2.92/115                       | 3.56/140                   | 82.6                      | 3.25 | 14970                          | 10062 | 7763 | 5218 | 570             | 460 | 685         | 550 |
| 1000 MCM                     | 2.92/115                       | 3.56/140                   | 91.2                      | 3.59 | 19008                          | 12776 | 9565 | 6429 | 645             | 535 | 790         | 650 |



## Caledonian Medium Voltage Cables

| 8kV 100% Three Conductor AIA |                                |                            |                           |      |                                |       |      |      |                 |     |             |     |
|------------------------------|--------------------------------|----------------------------|---------------------------|------|--------------------------------|-------|------|------|-----------------|-----|-------------|-----|
| Conductor                    | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm/in.) |      | Cable Weight (kg/km / lbs/kft) |       |      |      | Ampacity (Amps) |     |             |     |
|                              |                                |                            |                           |      |                                |       |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                              |                                |                            | (D)                       |      | CU                             |       | AL   |      | CU              | AL  | CU          | AL  |
| 4 AWG                        | 2.92/115                       | 2.03/80                    | 40.1                      | 1.58 | 2055                           | 1381  | 1662 | 1117 | 125             | 96  | 135         | 105 |
| 2 AWG                        | 2.92/115                       | 2.03/80                    | 43.4                      | 1.71 | 2589                           | 1740  | 1965 | 1321 | 160             | 125 | 185         | 145 |
| 1 AWG                        | 2.92/115                       | 2.03/80                    | 45.2                      | 1.78 | 2915                           | 1959  | 2126 | 1429 | 185             | 145 | 210         | 165 |
| 1/0 AWG                      | 2.92/115                       | 2.80/110                   | 47.8                      | 1.88 | 3420                           | 2299  | 2409 | 1619 | 210             | 165 | 240         | 185 |
| 2/0 AWG                      | 2.92/115                       | 2.80/110                   | 50.3                      | 1.98 | 3993                           | 2684  | 2742 | 1843 | 235             | 185 | 275         | 215 |
| 3/0 AWG                      | 2.92/115                       | 2.80/110                   | 52.6                      | 2.07 | 4615                           | 3102  | 3032 | 2038 | 270             | 210 | 315         | 245 |
| 4/0 AWG                      | 2.92/115                       | 2.80/110                   | 55.6                      | 2.19 | 5381                           | 3617  | 3392 | 2280 | 305             | 240 | 360         | 285 |
| 250 MCM                      | 2.92/115                       | 2.80/110                   | 58.4                      | 2.30 | 6070                           | 4080  | 3725 | 2504 | 335             | 265 | 400         | 315 |
| 350 MCM                      | 2.92/115                       | 2.80/110                   | 64.5                      | 2.54 | 7929                           | 5329  | 4627 | 3110 | 400             | 315 | 490         | 385 |
| 500 MCM                      | 2.92/115                       | 3.56/140                   | 72.1                      | 2.84 | 10565                          | 7101  | 5858 | 3937 | 485             | 385 | 600         | 475 |
| 750 MCM                      | 2.92/115                       | 3.56/140                   | 82.6                      | 3.25 | 14970                          | 10062 | 7763 | 5218 | 585             | 475 | 745         | 600 |
| 1000 MCM                     | 2.92/115                       | 3.56/140                   | 91.2                      | 3.59 | 19008                          | 12776 | 9565 | 6429 | 660             | 545 | 860         | 705 |
| 8kV 133% Three Conductor AIA |                                |                            |                           |      |                                |       |      |      |                 |     |             |     |
| 2 AWG                        | 3.56/140                       | 2.03/80                    | 46.2                      | 1.82 | 2787                           | 1873  | 2163 | 1454 | 160             | 125 | 185         | 145 |
| 1 AWG                        | 3.56/140                       | 2.80/110                   | 48.5                      | 1.91 | 3197                           | 2149  | 2409 | 1619 | 185             | 145 | 210         | 165 |
| 1/0 AWG                      | 3.56/140                       | 2.80/110                   | 50.5                      | 1.99 | 3639                           | 2446  | 2624 | 1764 | 210             | 165 | 240         | 185 |
| 2/0 AWG                      | 3.56/140                       | 2.80/110                   | 52.8                      | 2.08 | 4219                           | 2836  | 2968 | 1995 | 235             | 185 | 275         | 215 |
| 3/0 AWG                      | 3.56/140                       | 2.80/110                   | 55.4                      | 2.18 | 4850                           | 3260  | 3267 | 2196 | 270             | 210 | 315         | 245 |
| 4/0 AWG                      | 3.56/140                       | 2.80/110                   | 58.4                      | 2.30 | 5628                           | 3783  | 3639 | 2446 | 305             | 240 | 360         | 285 |
| 250 MCM                      | 3.56/140                       | 2.80/110                   | 62.0                      | 2.44 | 6429                           | 4321  | 4084 | 2745 | 335             | 265 | 400         | 315 |
| 350 MCM                      | 3.56/140                       | 2.80/110                   | 67.3                      | 2.65 | 8211                           | 5519  | 4910 | 3300 | 400             | 315 | 490         | 385 |
| 500 MCM                      | 3.56/140                       | 3.56/140                   | 74.9                      | 2.95 | 10876                          | 7310  | 6168 | 4146 | 485             | 385 | 600         | 475 |
| 750 MCM                      | 3.56/140                       | 3.56/140                   | 85.3                      | 3.36 | 15323                          | 10299 | 8116 | 5455 | 585             | 475 | 745         | 600 |
| 1000 MCM                     | 3.56/140                       | 3.56/140                   | 93.7                      | 3.69 | 19394                          | 13035 | 9952 | 6689 | 660             | 545 | 860         | 705 |

# Addison Medium Voltage Cables



| 15kV 100% to ICEA Standard |                                 |                             |                             |      |                                |       |       |      |                 |     |             |     |
|----------------------------|---------------------------------|-----------------------------|-----------------------------|------|--------------------------------|-------|-------|------|-----------------|-----|-------------|-----|
| Conductor                  | Insulation Thickness (mm/ mils) | Sheath Thickness (mm/ mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |       |       |      | Ampacity (Amps) |     |             |     |
|                            |                                 |                             |                             |      |                                |       |       |      | 90°C In Duct    |     | 90°C In Air |     |
|                            |                                 |                             | (D)                         |      | CU                             |       | AL    |      | CU              | AL  | CU          | AL  |
| 2 AWG                      | 4.45/175                        | 2.80/110                    | 50.5                        | 1.99 | 3163                           | 2126  | 2538  | 1706 | 160             | 125 | 185         | 145 |
| 1 AWG                      | 4.45/175                        | 2.80/110                    | 52.3                        | 2.06 | 3508                           | 2358  | 2720  | 1828 | 185             | 145 | 210         | 165 |
| 1/0 AWG                    | 4.45/175                        | 2.80/110                    | 54.6                        | 2.15 | 3962                           | 2663  | 2946  | 1980 | 210             | 165 | 240         | 185 |
| 2/0 AWG                    | 4.45/175                        | 2.80/110                    | 56.6                        | 2.23 | 4553                           | 3060  | 3301  | 2219 | 235             | 185 | 275         | 215 |
| 3/0 AWG                    | 4.45/175                        | 2.80/110                    | 59.2                        | 2.33 | 5198                           | 3494  | 3615  | 2430 | 270             | 210 | 315         | 245 |
| 4/0 AWG                    | 4.45/175                        | 2.80/110                    | 63.0                        | 2.48 | 6096                           | 4097  | 4106  | 2760 | 305             | 240 | 360         | 285 |
| 250 MCM                    | 4.45/175                        | 2.80/110                    | 65.8                        | 2.59 | 6813                           | 4579  | 4468  | 3003 | 335             | 265 | 400         | 315 |
| 350 MCM                    | 4.45/175                        | 3.56/140                    | 72.1                        | 2.84 | 8725                           | 5864  | 5423  | 3645 | 400             | 315 | 490         | 385 |
| 500 MCM                    | 4.45/175                        | 3.56/140                    | 78.7                        | 3.10 | 11330                          | 7615  | 6622  | 4451 | 485             | 385 | 600         | 475 |
| 750 MCM                    | 4.45/175                        | 3.56/140                    | 89.2                        | 3.51 | 15836                          | 10644 | 8628  | 5799 | 585             | 475 | 745         | 600 |
| 1000 MCM                   | 4.45/175                        | 3.56/140                    | 98.6                        | 3.88 | 20085                          | 13500 | 10642 | 7153 | 660             | 545 | 860         | 705 |
| 15kV 133% to ICEA Standard |                                 |                             |                             |      |                                |       |       |      |                 |     |             |     |
| 2 AWG                      | 5.59/220                        | 2.80/110                    | 55.6                        | 2.19 | 3580                           | 2406  | 2956  | 1987 | 160             | 125 | 185         | 145 |
| 1 AWG                      | 5.59/220                        | 2.80/110                    | 57.4                        | 2.26 | 3938                           | 2647  | 3148  | 2116 | 185             | 145 | 210         | 165 |
| 1/0 AWG                    | 5.59/220                        | 2.80/110                    | 59.7                        | 2.35 | 4407                           | 2962  | 3391  | 2279 | 210             | 165 | 240         | 185 |
| 2/0 AWG                    | 5.59/220                        | 2.80/110                    | 62.2                        | 2.45 | 5114                           | 3437  | 3864  | 2597 | 235             | 185 | 275         | 215 |
| 3/0 AWG                    | 5.59/220                        | 2.80/110                    | 64.8                        | 2.55 | 5782                           | 3886  | 4197  | 2821 | 270             | 210 | 315         | 245 |
| 4/0 AWG                    | 5.59/220                        | 2.80/110                    | 68.1                        | 2.68 | 6601                           | 4437  | 4612  | 3100 | 305             | 240 | 360         | 285 |
| 250 MCM                    | 5.59/220                        | 2.80/110                    | 71.6                        | 2.82 | 7436                           | 4998  | 5091  | 3422 | 335             | 265 | 400         | 315 |
| 350 MCM                    | 5.59/220                        | 3.56/140                    | 77.0                        | 3.03 | 9294                           | 6247  | 5991  | 4027 | 400             | 315 | 490         | 385 |
| 500 MCM                    | 5.59/220                        | 3.56/140                    | 84.1                        | 3.31 | 12036                          | 8090  | 7329  | 4926 | 485             | 385 | 600         | 475 |
| 750 MCM                    | 5.59/220                        | 3.56/140                    | 94.2                        | 3.71 | 16525                          | 11107 | 9317  | 6262 | 585             | 475 | 745         | 600 |
| 1000 MCM                   | 5.59/220                        | 3.56/140                    | 103.4                       | 4.07 | 20838                          | 14006 | 11395 | 7659 | 660             | 545 | 860         | 705 |





## Caledonian Medium Voltage Cables

| 25kV 100% to ICEA Standard |                                |                            |                             |      |                                |       |       |      |                 |     |             |     |
|----------------------------|--------------------------------|----------------------------|-----------------------------|------|--------------------------------|-------|-------|------|-----------------|-----|-------------|-----|
| Conductor                  | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |       |       |      | Ampacity (Amps) |     |             |     |
|                            |                                |                            |                             |      |                                |       |       |      | 90°C In Duct    |     | 90°C In Air |     |
|                            |                                |                            | (D)                         |      | CU                             |       | AL    |      | CU              | AL  | CU          | AL  |
| 1 AWG                      | 6.60/260                       | 2.80/110                   | 62.5                        | 2.46 | 4450                           | 2991  | 3661  | 2461 | 185             | 145 | 210         | 165 |
| 1/0 AWG                    | 6.60/260                       | 2.80/110                   | 64.8                        | 2.55 | 4938                           | 3319  | 3919  | 2634 | 210             | 165 | 240         | 185 |
| 2/0 AWG                    | 6.60/260                       | 2.80/110                   | 66.8                        | 2.63 | 5557                           | 3735  | 4309  | 2896 | 235             | 185 | 275         | 215 |
| 3/0 AWG                    | 6.60/260                       | 2.80/110                   | 70.1                        | 2.76 | 6338                           | 4260  | 4755  | 3196 | 270             | 210 | 315         | 245 |
| 4/0 AWG                    | 6.60/260                       | 3.56/140                   | 73.2                        | 2.88 | 7182                           | 4827  | 5191  | 3489 | 305             | 240 | 360         | 285 |
| 250 MCM                    | 6.60/260                       | 3.56/140                   | 75.9                        | 2.99 | 7936                           | 5334  | 5593  | 3759 | 335             | 265 | 400         | 315 |
| 350 MCM                    | 6.60/260                       | 3.56/140                   | 81.8                        | 3.22 | 9918                           | 6666  | 6616  | 4447 | 400             | 315 | 490         | 385 |
| 500 MCM                    | 6.60/260                       | 3.56/140                   | 88.4                        | 3.48 | 12617                          | 8480  | 7909  | 5316 | 485             | 385 | 600         | 475 |
| 750 MCM                    | 6.60/260                       | 3.56/140                   | 99.3                        | 3.91 | 17300                          | 11628 | 10092 | 6783 | 585             | 475 | 745         | 600 |
| 25kV 133% to ICEA Standard |                                |                            |                             |      |                                |       |       |      |                 |     |             |     |
| 1/0 AWG                    | 8.76/345                       | 3.56/140                   | 75.2                        | 2.96 | 6073                           | 4082  | 4081  | 2743 | 210             | 165 | 240         | 185 |
| 2/0 AWG                    | 8.76/345                       | 3.56/140                   | 77.2                        | 3.04 | 6720                           | 4517  | 4515  | 3035 | 235             | 185 | 275         | 215 |
| 3/0 AWG                    | 8.76/345                       | 3.56/140                   | 79.8                        | 3.14 | 7442                           | 5002  | 5001  | 3361 | 270             | 210 | 315         | 245 |
| 4/0 AWG                    | 8.76/345                       | 3.56/140                   | 83.3                        | 3.28 | 8418                           | 5658  | 5657  | 3802 | 305             | 240 | 360         | 285 |
| 250 MCM                    | 8.76/345                       | 3.56/140                   | 85.9                        | 3.38 | 9213                           | 6192  | 6191  | 4161 | 335             | 265 | 400         | 315 |
| 350 MCM                    | 8.76/345                       | 3.56/140                   | 91.4                        | 3.60 | 11182                          | 7516  | 7515  | 5051 | 400             | 315 | 490         | 385 |
| 500 MCM                    | 8.76/345                       | 3.56/140                   | 98.8                        | 3.89 | 14103                          | 9479  | 9477  | 6370 | 485             | 385 | 600         | 475 |

# Addison Medium Voltage Cables



| 35kV 100% to ICEA Standard |                                |                            |                             |      |                                |      |      |      |                 |     |             |     |
|----------------------------|--------------------------------|----------------------------|-----------------------------|------|--------------------------------|------|------|------|-----------------|-----|-------------|-----|
| Conductor                  | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |      |      |      | Ampacity (Amps) |     |             |     |
|                            |                                |                            |                             |      |                                |      |      |      | 90°C In Duct    |     | 90°C In Air |     |
|                            |                                |                            | (D)                         |      | CU                             |      | AL   |      | CU              | AL  | CU          | AL  |
| 1/0 AWG                    | 8.76/345                       | 3.56/140                   | 75.2                        | 2.96 | 6073                           | 4082 | 5051 | 3395 | 210             | 165 | 240         | 185 |
| 2/0 AWG                    | 8.76/345                       | 3.56/140                   | 77.2                        | 3.04 | 6720                           | 4517 | 5475 | 3680 | 235             | 185 | 275         | 215 |
| 3/0 AWG                    | 8.76/345                       | 3.56/140                   | 79.8                        | 3.14 | 7442                           | 5002 | 5859 | 3938 | 270             | 210 | 315         | 245 |
| 4/0 AWG                    | 8.76/345                       | 3.56/140                   | 83.3                        | 3.28 | 8418                           | 5658 | 6429 | 4321 | 305             | 240 | 360         | 285 |
| 250 MCM                    | 8.76/345                       | 3.56/140                   | 85.9                        | 3.38 | 9213                           | 6192 | 6868 | 4616 | 335             | 265 | 400         | 315 |
| 350 MCM                    | 8.76/345                       | 3.56/140                   | 91.4                        | 3.60 | 11182                          | 7516 | 7881 | 5297 | 400             | 315 | 490         | 385 |
| 500 MCM                    | 8.76/345                       | 3.56/140                   | 98.8                        | 3.89 | 14103                          | 9479 | 9396 | 6315 | 485             | 385 | 600         | 475 |
| 35kV 133% to ICEA Standard |                                |                            |                             |      |                                |      |      |      |                 |     |             |     |
| 1/0 AWG                    | 10.67/420                      | 3.56/140                   | 83.8                        | 3.30 | 7168                           | 4818 | 6142 | 4128 | 210             | 165 | 240         | 185 |
| 2/0 AWG                    | 10.67/420                      | 3.56/140                   | 85.9                        | 3.38 | 7839                           | 5269 | 6595 | 4433 | 235             | 185 | 275         | 215 |
| 3/0 AWG                    | 10.67/420                      | 3.56/140                   | 88.4                        | 3.48 | 8594                           | 5776 | 7011 | 4712 | 270             | 210 | 315         | 245 |
| 4/0 AWG                    | 10.67/420                      | 3.56/140                   | 91.4                        | 3.60 | 9518                           | 6397 | 7527 | 5059 | 305             | 240 | 360         | 285 |
| 250 MCM                    | 10.67/420                      | 3.56/140                   | 94.2                        | 3.71 | 10342                          | 6951 | 7997 | 5375 | 335             | 265 | 400         | 315 |
| 350 MCM                    | 10.67/420                      | 3.56/140                   | 100.6                       | 3.96 | 12511                          | 8409 | 9210 | 6190 | 400             | 315 | 490         | 385 |



# Caledonian Medium Voltage Cables

## Three Conductor GSIA

| 5kV 100% Three Conductor GSIA |                                   |                               |                              |      |                                   |       |       |      |                 |     |             |     |
|-------------------------------|-----------------------------------|-------------------------------|------------------------------|------|-----------------------------------|-------|-------|------|-----------------|-----|-------------|-----|
| Conductor                     | Insulation Thickness<br>(mm/mils) | Sheath Thickness<br>(mm/mils) | Overall Diameter<br>(mm/in.) |      | Cable Weight<br>(kg/km / lbs/kft) |       |       |      | Ampacity (Amps) |     |             |     |
|                               |                                   |                               |                              |      |                                   |       |       |      | 90°C In Duct    |     | 90°C In Air |     |
|                               |                                   |                               | (D)                          |      | CU                                |       | AL    |      | CU              | AL  | CU          | AL  |
| 4 AWG                         | 2.29/90                           | 2.03/80                       | 36.8                         | 1.45 | 2239                              | 1505  | 1846  | 1241 | 110             | 86  | 115         | 90  |
| 2 AWG                         | 2.29/90                           | 2.03/80                       | 39.6                         | 1.56 | 2748                              | 1847  | 2123  | 1427 | 145             | 110 | 154         | 120 |
| 1 AWG                         | 2.29/90                           | 2.03/80                       | 42.2                         | 1.66 | 3132                              | 2105  | 2342  | 1574 | 165             | 130 | 180         | 140 |
| 1/0 AWG                       | 2.29/90                           | 2.03/80                       | 44.5                         | 1.75 | 3577                              | 2404  | 2563  | 1723 | 190             | 150 | 205         | 160 |
| 2/0 AWG                       | 2.29/90                           | 2.80/110                      | 47.0                         | 1.85 | 4380                              | 2944  | 3129  | 2103 | 220             | 170 | 240         | 185 |
| 3/0 AWG                       | 2.29/90                           | 2.80/110                      | 49.5                         | 1.95 | 5030                              | 3381  | 3446  | 2316 | 250             | 195 | 280         | 215 |
| 4/0 AWG                       | 2.29/90                           | 2.80/110                      | 52.6                         | 2.07 | 5829                              | 3918  | 3840  | 2581 | 285             | 220 | 320         | 250 |
| 250 MCM                       | 2.29/90                           | 2.80/110                      | 55.4                         | 2.18 | 6546                              | 4400  | 4202  | 2824 | 315             | 245 | 355         | 280 |
| 350 MCM                       | 2.29/90                           | 2.80/110                      | 61.7                         | 2.43 | 8461                              | 5687  | 5158  | 3467 | 380             | 310 | 440         | 345 |
| 500 MCM                       | 2.29/90                           | 2.80/110                      | 69.1                         | 2.72 | 11178                             | 7513  | 6470  | 4349 | 460             | 365 | 545         | 430 |
| 750 MCM                       | 2.29/90                           | 3.56/140                      | 79.5                         | 3.13 | 15689                             | 10545 | 8482  | 5701 | 570             | 460 | 685         | 550 |
| 1000 MCM                      | 2.29/90                           | 3.56/140                      | 88.1                         | 3.47 | 19821                             | 13322 | 10377 | 6975 | 645             | 535 | 790         | 650 |
| 5kV 133% Three Conductor GSIA |                                   |                               |                              |      |                                   |       |       |      |                 |     |             |     |
| 4 AWG                         | 2.92/115                          | 2.03/80                       | 39.6                         | 1.56 | 2444                              | 1643  | 2052  | 1379 | 110             | 86  | 115         | 90  |
| 2 AWG                         | 2.92/115                          | 2.03/80                       | 42.9                         | 1.69 | 3010                              | 2023  | 2386  | 1604 | 145             | 110 | 154         | 120 |
| 1 AWG                         | 2.92/115                          | 2.03/80                       | 44.7                         | 1.76 | 3356                              | 2256  | 2568  | 1726 | 165             | 130 | 180         | 140 |
| 1/0 AWG                       | 2.92/115                          | 2.03/80                       | 47.8                         | 1.88 | 4033                              | 2711  | 3017  | 2028 | 190             | 150 | 205         | 160 |
| 2/0 AWG                       | 2.92/115                          | 2.80/110                      | 49.8                         | 1.96 | 4635                              | 3115  | 3385  | 2275 | 220             | 170 | 240         | 185 |
| 3/0 AWG                       | 2.92/115                          | 2.80/110                      | 52.3                         | 2.06 | 5295                              | 3559  | 3712  | 2495 | 250             | 195 | 280         | 215 |
| 4/0 AWG                       | 2.92/115                          | 2.80/110                      | 55.4                         | 2.18 | 6106                              | 4104  | 4117  | 2767 | 285             | 220 | 320         | 250 |
| 250 MCM                       | 2.92/115                          | 2.80/110                      | 58.2                         | 2.29 | 6834                              | 4593  | 4489  | 3017 | 315             | 245 | 355         | 280 |
| 350 MCM                       | 2.92/115                          | 2.80/110                      | 64.3                         | 2.53 | 8774                              | 5897  | 5472  | 3678 | 380             | 310 | 440         | 345 |
| 500 MCM                       | 2.92/115                          | 2.80/110                      | 71.9                         | 2.83 | 11519                             | 7742  | 6811  | 4578 | 460             | 365 | 545         | 430 |
| 750 MCM                       | 2.92/115                          | 3.56/140                      | 82.3                         | 3.24 | 16073                             | 10803 | 8866  | 5959 | 570             | 460 | 685         | 550 |
| 1000 MCM                      | 2.92/115                          | 3.56/140                      | 90.9                         | 3.58 | 20236                             | 13601 | 10793 | 7254 | 645             | 535 | 790         | 650 |

# Addison Medium Voltage Cables



| 8kV 100% Three Conductor GSIA |                                |                            |                           |      |                                |       |       |      |                 |     |             |     |
|-------------------------------|--------------------------------|----------------------------|---------------------------|------|--------------------------------|-------|-------|------|-----------------|-----|-------------|-----|
| Conductor                     | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm/in.) |      | Cable Weight (kg/km / lbs/kft) |       |       |      | Ampacity (Amps) |     |             |     |
|                               |                                |                            |                           |      |                                |       |       |      | 90°C In Duct    |     | 90°C In Air |     |
|                               |                                |                            | (D)                       |      | CU                             |       | AL    |      | CU              | AL  | CU          | AL  |
| 4 AWG                         | 2.92/115                       | 2.03/80                    | 39.6                      | 1.56 | 2444                           | 1643  | 2052  | 1379 | 125             | 96  | 135         | 105 |
| 2 AWG                         | 2.92/115                       | 2.03/80                    | 42.9                      | 1.69 | 3010                           | 2023  | 2386  | 1604 | 160             | 125 | 185         | 145 |
| 1 AWG                         | 2.92/115                       | 2.03/80                    | 44.7                      | 1.76 | 3356                           | 2256  | 2568  | 1726 | 185             | 145 | 210         | 165 |
| 1/0 AWG                       | 2.92/115                       | 2.80/110                   | 47.8                      | 1.88 | 4033                           | 2711  | 3017  | 2028 | 210             | 165 | 240         | 185 |
| 2/0 AWG                       | 2.92/115                       | 2.80/110                   | 49.8                      | 1.96 | 4635                           | 3115  | 3385  | 2275 | 235             | 185 | 275         | 215 |
| 3/0 AWG                       | 2.92/115                       | 2.80/110                   | 52.3                      | 2.06 | 5295                           | 3559  | 3712  | 2495 | 270             | 210 | 315         | 245 |
| 4/0 AWG                       | 2.92/115                       | 2.80/110                   | 55.4                      | 2.18 | 6106                           | 4104  | 4117  | 2767 | 305             | 240 | 360         | 285 |
| 250 MCM                       | 2.92/115                       | 2.80/110                   | 58.2                      | 2.29 | 6834                           | 4593  | 4489  | 3017 | 335             | 265 | 400         | 315 |
| 350 MCM                       | 2.92/115                       | 2.80/110                   | 64.3                      | 2.53 | 8774                           | 5897  | 5472  | 3678 | 400             | 315 | 490         | 385 |
| 500 MCM                       | 2.92/115                       | 3.56/140                   | 71.9                      | 2.83 | 11519                          | 7742  | 6811  | 4578 | 485             | 385 | 600         | 475 |
| 750 MCM                       | 2.92/115                       | 3.56/140                   | 82.3                      | 3.24 | 16073                          | 10803 | 8866  | 5959 | 585             | 475 | 745         | 600 |
| 1000 MCM                      | 2.92/115                       | 3.56/140                   | 90.9                      | 3.58 | 20236                          | 13601 | 10793 | 7254 | 660             | 545 | 860         | 705 |
| 8kV 133% Three Conductor GSIA |                                |                            |                           |      |                                |       |       |      |                 |     |             |     |
| 2 AWG                         | 3.56/140                       | 2.03/80                    | 45.7                      | 1.80 | 3239                           | 2177  | 2616  | 1758 | 160             | 125 | 185         | 145 |
| 1 AWG                         | 3.56/140                       | 2.80/110                   | 48.3                      | 1.90 | 3816                           | 2565  | 3028  | 2035 | 185             | 145 | 210         | 165 |
| 1/0 AWG                       | 3.56/140                       | 2.80/110                   | 50.5                      | 1.99 | 4292                           | 2885  | 3275  | 2201 | 210             | 165 | 240         | 185 |
| 2/0 AWG                       | 3.56/140                       | 2.80/110                   | 52.6                      | 2.07 | 4901                           | 3294  | 3651  | 2454 | 235             | 185 | 275         | 215 |
| 3/0 AWG                       | 3.56/140                       | 2.80/110                   | 55.1                      | 2.17 | 5570                           | 3744  | 3987  | 2680 | 270             | 210 | 315         | 245 |
| 4/0 AWG                       | 3.56/140                       | 2.80/110                   | 58.2                      | 2.29 | 6395                           | 4298  | 4404  | 2960 | 305             | 240 | 360         | 285 |
| 250 MCM                       | 3.56/140                       | 2.80/110                   | 61.7                      | 2.43 | 7232                           | 4861  | 4889  | 3286 | 335             | 265 | 400         | 315 |
| 350 MCM                       | 3.56/140                       | 2.80/110                   | 67.1                      | 2.64 | 9096                           | 6114  | 5795  | 3895 | 400             | 315 | 490         | 385 |
| 500 MCM                       | 3.56/140                       | 3.56/140                   | 74.7                      | 2.94 | 11871                          | 7979  | 7164  | 4815 | 485             | 385 | 600         | 475 |
| 750 MCM                       | 3.56/140                       | 3.56/140                   | 85.1                      | 3.35 | 16467                          | 11068 | 9259  | 6223 | 585             | 475 | 745         | 600 |
| 1000 MCM                      | 3.56/140                       | 3.56/140                   | 93.5                      | 3.68 | 20661                          | 13887 | 11220 | 7541 | 660             | 545 | 860         | 705 |



## Caledonian Medium Voltage Cables

| 15kV 100% Three Conductor GSIA |                                    |                                |                                |      |                                   |       |       |      |                 |     |             |     |
|--------------------------------|------------------------------------|--------------------------------|--------------------------------|------|-----------------------------------|-------|-------|------|-----------------|-----|-------------|-----|
| Conductor                      | Insulation Thickness<br>(mm/ mils) | Sheath Thickness<br>(mm/ mils) | Overall Diameter<br>(mm / in.) |      | Cable Weight<br>(kg/km / lbs/kft) |       |       |      | Ampacity (Amps) |     |             |     |
|                                |                                    |                                |                                |      |                                   |       |       |      | 90°C In Duct    |     | 90°C In Air |     |
|                                |                                    |                                | (D)                            |      | CU                                |       | AL    |      | CU              | AL  | CU          | AL  |
| 2 AWG                          | 4.45/175                           | 2.80/110                       | 50.3                           | 1.98 | 3812                              | 2562  | 3188  | 2143 | 160             | 125 | 185         | 145 |
| 1 AWG                          | 4.45/175                           | 2.80/110                       | 52.1                           | 2.05 | 4184                              | 2812  | 3395  | 2282 | 185             | 145 | 210         | 165 |
| 1/0 AWG                        | 4.45/175                           | 2.80/110                       | 54.4                           | 2.14 | 4672                              | 3140  | 3653  | 2455 | 210             | 165 | 240         | 185 |
| 2/0 AWG                        | 4.45/175                           | 2.80/110                       | 56.4                           | 2.22 | 5291                              | 3556  | 4042  | 2717 | 235             | 185 | 275         | 215 |
| 3/0 AWG                        | 4.45/175                           | 2.80/110                       | 58.9                           | 2.32 | 5974                              | 4015  | 4391  | 2951 | 270             | 210 | 315         | 245 |
| 4/0 AWG                        | 4.45/175                           | 2.80/110                       | 62.7                           | 2.47 | 6917                              | 4649  | 4928  | 3312 | 305             | 240 | 360         | 285 |
| 250 MCM                        | 4.45/175                           | 2.80/110                       | 65.5                           | 2.58 | 7674                              | 5158  | 5329  | 3582 | 335             | 265 | 400         | 315 |
| 350 MCM                        | 4.45/175                           | 3.56/140                       | 71.9                           | 2.83 | 9680                              | 6506  | 6378  | 4287 | 400             | 315 | 490         | 385 |
| 500 MCM                        | 4.45/175                           | 3.56/140                       | 78.5                           | 3.09 | 12382                             | 8322  | 7674  | 5158 | 485             | 385 | 600         | 475 |
| 750 MCM                        | 4.45/175                           | 3.56/140                       | 88.9                           | 3.50 | 17035                             | 11450 | 9828  | 6606 | 585             | 475 | 745         | 600 |
| 1000 MCM                       | 4.45/175                           | 3.56/140                       | 98.3                           | 3.87 | 21421                             | 14398 | 11980 | 8052 | 660             | 545 | 860         | 705 |
| 15kV 133% Three Conductor GSIA |                                    |                                |                                |      |                                   |       |       |      |                 |     |             |     |
| 2 AWG                          | 5.59/220                           | 2.80/110                       | 55.4                           | 2.18 | 4303                              | 2892  | 3678  | 2472 | 160             | 125 | 185         | 145 |
| 1 AWG                          | 5.59/220                           | 2.80/110                       | 57.2                           | 2.25 | 4687                              | 3150  | 3898  | 2620 | 185             | 145 | 210         | 165 |
| 1/0 AWG                        | 5.59/220                           | 2.80/110                       | 59.4                           | 2.34 | 5189                              | 3488  | 4169  | 2802 | 210             | 165 | 240         | 185 |
| 2/0 AWG                        | 5.59/220                           | 2.80/110                       | 62.0                           | 2.44 | 5924                              | 3982  | 4678  | 3144 | 235             | 185 | 275         | 215 |
| 3/0 AWG                        | 5.59/220                           | 2.80/110                       | 64.5                           | 2.54 | 6630                              | 4456  | 5047  | 3392 | 270             | 210 | 315         | 245 |
| 4/0 AWG                        | 5.59/220                           | 2.80/110                       | 67.8                           | 2.67 | 7496                              | 5038  | 5506  | 3701 | 305             | 240 | 360         | 285 |
| 250 MCM                        | 5.59/220                           | 2.80/110                       | 71.4                           | 2.81 | 8382                              | 5634  | 6039  | 4059 | 335             | 265 | 400         | 315 |
| 350 MCM                        | 5.59/220                           | 3.56/140                       | 76.7                           | 3.02 | 10321                             | 6937  | 7019  | 4718 | 400             | 315 | 490         | 385 |
| 500 MCM                        | 5.59/220                           | 3.56/140                       | 83.8                           | 3.30 | 13161                             | 8846  | 8454  | 5682 | 485             | 385 | 600         | 475 |
| 750 MCM                        | 5.59/220                           | 3.56/140                       | 94.0                           | 3.70 | 17797                             | 11962 | 10589 | 7117 | 585             | 475 | 745         | 600 |
| 1000 MCM                       | 5.59/220                           | 3.56/140                       | 103.1                          | 4.06 | 22249                             | 14954 | 12806 | 8607 | 660             | 545 | 860         | 705 |

# Addison Medium Voltage Cables



| 25kV 100% Three Conductor GSIA |                                |                            |                             |      |                                |       |       |      |                 |     |             |     |
|--------------------------------|--------------------------------|----------------------------|-----------------------------|------|--------------------------------|-------|-------|------|-----------------|-----|-------------|-----|
| Conductor                      | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |       |       |      | Ampacity (Amps) |     |             |     |
|                                |                                |                            |                             |      |                                |       |       |      | 90°C In Duct    |     | 90°C In Air |     |
|                                |                                |                            | (D)                         |      | CU                             |       | AL    |      | CU              | AL  | CU          | AL  |
| 1 AWG                          | 6.60/260                       | 2.80/110                   | 62.2                        | 2.45 | 5264                           | 3538  | 4475  | 3008 | 185             | 145 | 210         | 165 |
| 1/0 AWG                        | 6.60/260                       | 2.80/110                   | 64.5                        | 2.54 | 5785                           | 3888  | 4762  | 3201 | 210             | 165 | 240         | 185 |
| 2/0 AWG                        | 6.60/260                       | 2.80/110                   | 66.5                        | 2.62 | 6432                           | 4323  | 5186  | 3486 | 235             | 185 | 275         | 215 |
| 3/0 AWG                        | 6.60/260                       | 2.80/110                   | 69.9                        | 2.75 | 7263                           | 4882  | 5680  | 3818 | 270             | 210 | 315         | 245 |
| 4/0 AWG                        | 6.60/260                       | 3.56/140                   | 72.9                        | 2.87 | 8153                           | 5480  | 6163  | 4142 | 305             | 240 | 360         | 285 |
| 250 MCM                        | 6.60/260                       | 3.56/140                   | 75.7                        | 2.98 | 8948                           | 6014  | 6603  | 4438 | 335             | 265 | 400         | 315 |
| 350 MCM                        | 6.60/260                       | 3.56/140                   | 81.5                        | 3.21 | 11010                          | 7400  | 7708  | 5181 | 400             | 315 | 490         | 385 |
| 500 MCM                        | 6.60/260                       | 3.56/140                   | 88.1                        | 3.47 | 13805                          | 9279  | 9098  | 6115 | 485             | 385 | 600         | 475 |
| 750 MCM                        | 6.60/260                       | 3.56/140                   | 99.1                        | 3.90 | 18650                          | 12535 | 11443 | 7691 | 585             | 475 | 745         | 600 |
| 25kV 133% Three Conductor GSIA |                                |                            |                             |      |                                |       |       |      |                 |     |             |     |
| 1/0 AWG                        | 8.76/345                       | 3.56/140                   | 74.9                        | 2.95 | 7075                           | 4755  | 6048  | 4065 | 210             | 165 | 240         | 185 |
| 2/0 AWG                        | 8.76/345                       | 3.56/140                   | 77.0                        | 3.03 | 7750                           | 5209  | 6506  | 4373 | 235             | 185 | 275         | 215 |
| 3/0 AWG                        | 8.76/345                       | 3.56/140                   | 79.5                        | 3.13 | 8509                           | 5719  | 6926  | 4655 | 270             | 210 | 315         | 245 |
| 4/0 AWG                        | 8.76/345                       | 3.56/140                   | 83.1                        | 3.27 | 9531                           | 6406  | 7540  | 5068 | 305             | 240 | 360         | 285 |
| 250 MCM                        | 8.76/345                       | 3.56/140                   | 85.6                        | 3.37 | 10364                          | 6966  | 8019  | 5390 | 335             | 265 | 400         | 315 |
| 350 MCM                        | 8.76/345                       | 3.56/140                   | 91.2                        | 3.59 | 12416                          | 8345  | 9113  | 6125 | 400             | 315 | 490         | 385 |
| 500 MCM                        | 8.76/345                       | 3.56/140                   | 98.6                        | 3.88 | 15445                          | 10381 | 10738 | 7217 | 485             | 385 | 600         | 475 |



## Caledonian Medium Voltage Cables

| 35kV 100% Three Conductor GSIA |                                |                            |                             |      |                                |       |       |      |                 |     |             |     |
|--------------------------------|--------------------------------|----------------------------|-----------------------------|------|--------------------------------|-------|-------|------|-----------------|-----|-------------|-----|
| Conductor                      | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Overall Diameter (mm / in.) |      | Cable Weight (kg/km / lbs/kft) |       |       |      | Ampacity (Amps) |     |             |     |
|                                |                                |                            |                             |      |                                |       |       |      | 90°C In Duct    |     | 90°C In Air |     |
|                                |                                |                            | (D)                         |      | CU                             |       | AL    |      | CU              | AL  | CU          | AL  |
| 1/0 AWG                        | 8.76/345                       | 3.56/140                   | 74.9                        | 2.95 | 7075                           | 4755  | 6048  | 4065 | 210             | 165 | 240         | 185 |
| 2/0 AWG                        | 8.76/345                       | 3.56/140                   | 77.0                        | 3.03 | 7750                           | 5209  | 6506  | 4373 | 235             | 185 | 275         | 215 |
| 3/0 AWG                        | 8.76/345                       | 3.56/140                   | 79.5                        | 3.13 | 8509                           | 5719  | 6926  | 4655 | 270             | 210 | 315         | 245 |
| 4/0 AWG                        | 8.76/345                       | 3.56/140                   | 83.1                        | 3.27 | 9531                           | 6406  | 7540  | 5068 | 305             | 240 | 360         | 285 |
| 250 MCM                        | 8.76/345                       | 3.56/140                   | 85.6                        | 3.37 | 10364                          | 6966  | 8019  | 5390 | 335             | 265 | 400         | 315 |
| 350 MCM                        | 8.76/345                       | 3.56/140                   | 91.2                        | 3.59 | 12416                          | 8345  | 9113  | 6125 | 400             | 315 | 490         | 385 |
| 500 MCM                        | 8.76/345                       | 3.56/140                   | 98.6                        | 3.88 | 15445                          | 10381 | 10738 | 7217 | 485             | 385 | 600         | 475 |
| 35kV 133% Three Conductor GSIA |                                |                            |                             |      |                                |       |       |      |                 |     |             |     |
| 1/0 AWG                        | 10.67/420                      | 3.56/140                   | 83.6                        | 3.29 | 8290                           | 5572  | 7261  | 4880 | 210             | 165 | 240         | 185 |
| 2/0 AWG                        | 10.67/420                      | 3.56/140                   | 85.6                        | 3.37 | 8991                           | 6043  | 7749  | 5208 | 235             | 185 | 275         | 215 |
| 3/0 AWG                        | 10.67/420                      | 3.56/140                   | 88.1                        | 3.47 | 9782                           | 6575  | 8198  | 5510 | 270             | 210 | 315         | 245 |
| 4/0 AWG                        | 10.67/420                      | 3.56/140                   | 91.2                        | 3.59 | 10751                          | 7226  | 8760  | 5888 | 305             | 240 | 360         | 285 |
| 250 MCM                        | 10.67/420                      | 3.56/140                   | 94.0                        | 3.70 | 11615                          | 7807  | 9271  | 6231 | 335             | 265 | 400         | 315 |
| 350 MCM                        | 10.67/420                      | 3.56/140                   | 100.3                       | 3.95 | 13878                          | 9328  | 10577 | 7109 | 400             | 315 | 490         | 385 |



# Addison Medium Voltage Cables



## AIA ARMoured 3C

| 5kV 100% 133% Copper Three Conductor |                                |                            |                         |      |                           |      |                                |       |                 |
|--------------------------------------|--------------------------------|----------------------------|-------------------------|------|---------------------------|------|--------------------------------|-------|-----------------|
| Conductor                            | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Armour Diameter (mm/in) |      | Overall Diameter (mm/in.) |      | Cable Weight (kg/km / lbs/kft) |       | Ampacity (Amps) |
|                                      |                                |                            |                         |      |                           |      |                                |       | 90°C            |
|                                      |                                |                            |                         |      | (D)                       |      |                                |       |                 |
| 6 AWG                                | 2.29/90                        | 2.03/80                    | 35.97                   | 1.42 | 38.30                     | 1.51 | 1625                           | 2418  | 65              |
| 4 AWG                                | 2.29/90                        | 2.03/80                    | 38.43                   | 1.51 | 41.22                     | 1.62 | 1963                           | 2921  | 105             |
| 2 AWG                                | 2.29/90                        | 2.03/80                    | 41.45                   | 1.63 | 44.24                     | 1.74 | 2482                           | 3693  | 140             |
| 1 AWG                                | 2.29/90                        | 2.03/80                    | 43.15                   | 1.69 | 45.94                     | 1.81 | 2798                           | 4163  | 160             |
| 1/0 AWG                              | 2.29/90                        | 2.80/110                   | 46.05                   | 1.81 | 48.84                     | 1.92 | 3325                           | 4947  | 185             |
| 2/0 AWG                              | 2.29/90                        | 2.80/110                   | 49.77                   | 1.96 | 52.56                     | 2.07 | 3981                           | 5923  | 215             |
| 3/0 AWG                              | 2.29/90                        | 2.80/110                   | 52.55                   | 2.07 | 55.35                     | 2.18 | 4672                           | 6951  | 250             |
| 4/0 AWG                              | 2.29/90                        | 2.80/110                   | 55.41                   | 2.18 | 58.20                     | 2.29 | 5422                           | 8067  | 285             |
| 250 MCM                              | 2.29/90                        | 2.80/110                   | 58.31                   | 2.30 | 61.72                     | 2.43 | 6195                           | 9217  | 320             |
| 350 MCM                              | 2.29/90                        | 2.80/110                   | 63.58                   | 2.50 | 66.98                     | 2.64 | 7901                           | 11755 | 395             |
| 500 MCM                              | 2.29/90                        | 2.80/110                   | 70.16                   | 2.76 | 73.57                     | 2.90 | 10318                          | 15351 | 485             |
| 750 MCM                              | 2.29/90                        | 3.56/140                   | 85.83                   | 3.38 | 89.74                     | 3.53 | 15213                          | 22634 | 615             |
| 1000 MCM                             | 2.29/90                        | 3.56/140                   | 94.28                   | 3.71 | 98.19                     | 3.87 | 19443                          | 28927 | 705             |



## Caledonian Medium Voltage Cables

| 8kV 100% Three Conduct   |                                |                            |                         |      |                           |      |                                |       |                 |
|--------------------------|--------------------------------|----------------------------|-------------------------|------|---------------------------|------|--------------------------------|-------|-----------------|
| Conductor                | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Armour Diameter (mm/in) |      | Overall Diameter (mm/in.) |      | Cable Weight (kg/km / lbs/kft) |       | Ampacity (Amps) |
|                          |                                |                            |                         |      |                           |      |                                |       | 90°C            |
|                          |                                |                            |                         |      | (D)                       |      |                                |       |                 |
| 4 AWG                    | 2.92/115                       | 2.03/80                    | 41.01                   | 1.61 | 43.80                     | 1.72 | 2126                           | 3163  | 120             |
| 2 AWG                    | 2.92/115                       | 2.03/80                    | 44.79                   | 1.76 | 47.58                     | 1.87 | 2781                           | 4138  | 165             |
| 1 AWG                    | 2.92/115                       | 2.03/80                    | 46.49                   | 1.83 | 49.29                     | 1.94 | 3110                           | 4627  | 185             |
| 1/0 AWG                  | 2.92/115                       | 2.80/110                   | 50.21                   | 1.98 | 53.00                     | 2.09 | 3703                           | 5509  | 215             |
| 2/0 AWG                  | 2.92/115                       | 2.80/110                   | 52.55                   | 2.07 | 55.35                     | 2.18 | 4212                           | 6267  | 245             |
| 3/0 AWG                  | 2.92/115                       | 2.80/110                   | 55.19                   | 2.17 | 57.98                     | 2.28 | 4907                           | 7301  | 285             |
| 4/0 AWG                  | 2.92/115                       | 2.80/110                   | 58.04                   | 2.29 | 61.44                     | 2.42 | 5751                           | 8556  | 325             |
| 250 MCM                  | 2.92/115                       | 2.80/110                   | 61.06                   | 2.40 | 64.46                     | 2.54 | 6471                           | 9628  | 360             |
| 350 MCM                  | 2.92/115                       | 2.80/110                   | 66.32                   | 2.61 | 69.73                     | 2.75 | 8204                           | 12206 | 435             |
| 500 MCM                  | 2.92/115                       | 3.56/140                   | 73.89                   | 2.91 | 77.30                     | 3.04 | 10768                          | 16021 | 535             |
| 750 MCM                  | 2.92/115                       | 3.56/140                   | 88.79                   | 3.50 | 92.70                     | 3.65 | 15691                          | 23345 | 670             |
| 1000 MCM                 | 2.92/115                       | 3.56/140                   | 97.23                   | 3.83 | 101.15                    | 3.98 | 19987                          | 29737 | 770             |
| 8kV 133% Three Conductor |                                |                            |                         |      |                           |      |                                |       |                 |
| 2 AWG                    | 3.56/140                       | 2.03/80                    | 47.64                   | 1.88 | 50.44                     | 1.99 | 3163                           | 4706  | 165             |
| 1 AWG                    | 3.56/140                       | 2.80/110                   | 51.07                   | 2.01 | 53.87                     | 2.12 | 4138                           | 6157  | 185             |
| 1/0 AWG                  | 3.56/140                       | 2.80/110                   | 53.21                   | 2.09 | 56.00                     | 2.20 | 4627                           | 6884  | 215             |
| 2/0 AWG                  | 3.56/140                       | 2.80/110                   | 55.41                   | 2.18 | 58.20                     | 2.29 | 5509                           | 8196  | 245             |
| 3/0 AWG                  | 3.56/140                       | 2.80/110                   | 58.04                   | 2.29 | 61.44                     | 2.42 | 6267                           | 9324  | 285             |
| 4/0 AWG                  | 3.56/140                       | 2.80/110                   | 60.89                   | 2.40 | 64.30                     | 2.53 | 7301                           | 10862 | 325             |
| 250 MCM                  | 3.56/140                       | 2.80/110                   | 63.91                   | 2.52 | 67.31                     | 2.65 | 8556                           | 12730 | 360             |
| 350 MCM                  | 3.56/140                       | 2.80/110                   | 69.18                   | 2.72 | 72.58                     | 2.86 | 9628                           | 14325 | 435             |
| 500 MCM                  | 3.56/140                       | 3.56/140                   | 78.53                   | 3.09 | 82.44                     | 3.25 | 12206                          | 18160 | 535             |
| 750 MCM                  | 3.56/140                       | 3.56/140                   | 91.64                   | 3.61 | 95.55                     | 3.76 | 16021                          | 23836 | 670             |
| 1000 MCM                 | 3.56/140                       | 3.56/140                   | 100.09                  | 3.94 | 104.00                    | 4.09 | 23345                          | 34733 | <b>770</b>      |

# Addison Medium Voltage Cables



| 15kV 100% Three Conductor |                                |                            |                         |       |                           |      |                                |       |                 |
|---------------------------|--------------------------------|----------------------------|-------------------------|-------|---------------------------|------|--------------------------------|-------|-----------------|
| Conductor                 | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Armour Diameter (mm/in) |       | Overall Diameter (mm/in.) |      | Cable Weight (kg/km / lbs/kft) |       | Ampacity (Amps) |
|                           |                                |                            |                         |       |                           |      |                                |       | 90°C            |
| 2 AWG                     | 4.5/175                        | 2.80/110                   | 53.21                   | 2.09  | 56.00                     | 2.20 | 3437                           | 5114  | 165             |
| 1 AWG                     | 4.5/175                        | 2.80/110                   | 54.91                   | 2.16  | 57.71                     | 2.27 | 3782                           | 5627  | 185             |
| 1/0 AWG                   | 4.5/175                        | 2.80/110                   | 57.05                   | 2.25  | 60.46                     | 2.38 | 4298                           | 6395  | 215             |
| 2/0 AWG                   | 4.5/175                        | 2.80/110                   | 59.25                   | 2.33  | 62.65                     | 2.47 | 4817                           | 7167  | 245             |
| 3/0 AWG                   | 4.5/175                        | 2.80/110                   | 61.88                   | 2.44  | 65.28                     | 2.57 | 5533                           | 8232  | 285             |
| 4/0 AWG                   | 4.5/175                        | 2.80/110                   | 64.73                   | 2.55  | 68.14                     | 2.68 | 6319                           | 9401  | 325             |
| 250 MCM                   | 4.5/175                        | 2.80/110                   | 67.75                   | 2.67  | 71.15                     | 2.80 | 7059                           | 10502 | 360             |
| 350 MCM                   | 4.5/175                        | 3.56/140                   | 74.00                   | 2.91  | 77.41                     | 3.05 | 8934                           | 13292 | 435             |
| 500 MCM                   | 4.5/175                        | 3.56/140                   | 82.37                   | 3.24  | 86.28                     | 3.40 | 11878                          | 17672 | 535             |
| 750 MCM                   | 4.5/175                        | 3.56/140                   | 945.48                  | 37.22 | 99.39                     | 3.91 | 16486                          | 24528 | 670             |
| 1000 MCM                  | 4.5/175                        | 3.56/140                   | 105.02                  | 4.13  | 108.94                    | 4.29 | 21016                          | 31268 | 770             |
| 15kV 133% Three Conductor |                                |                            |                         |       |                           |      |                                |       |                 |
| 2 AWG                     | 5.6/220                        | 2.80/110                   | 58.26                   | 2.29  | 61.66                     | 2.43 | 3912                           | 5820  | 165             |
| 1 AWG                     | 5.6/220                        | 2.80/110                   | 59.96                   | 2.36  | 63.36                     | 2.49 | 4268                           | 6350  | 185             |
| 1/0 AWG                   | 5.6/220                        | 2.80/110                   | 62.10                   | 2.44  | 65.50                     | 2.58 | 4717                           | 7018  | 215             |
| 2/0 AWG                   | 5.6/220                        | 2.80/110                   | 64.29                   | 2.53  | 67.70                     | 2.67 | 5247                           | 7807  | 245             |
| 3/0 AWG                   | 5.6/220                        | 2.80/110                   | 66.93                   | 2.64  | 70.33                     | 2.77 | 5976                           | 8891  | 285             |
| 4/0 AWG                   | 5.6/220                        | 2.80/110                   | 69.78                   | 2.75  | 73.18                     | 2.88 | 6776                           | 10081 | 325             |
| 250 MCM                   | 5.6/220                        | 2.80/110                   | 72.80                   | 2.87  | 76.20                     | 3.00 | 7531                           | 11205 | 360             |
| 350 MCM                   | 5.6/220                        | 3.56/140                   | 80.83                   | 3.18  | 84.74                     | 3.34 | 9867                           | 14680 | 435             |
| 500 MCM                   | 5.6/220                        | 3.56/140                   | 87.41                   | 3.44  | 91.33                     | 3.60 | 12441                          | 18510 | 535             |
| 750 MCM                   | 5.6/220                        | 3.56/140                   | 100.53                  | 3.96  | 104.44                    | 4.11 | 17115                          | 25464 | 670             |



## Caledonian Medium Voltage Cables

| 25kV 100% Three Conductor |                                |                            |                         |      |                           |      |                                |       |                 |
|---------------------------|--------------------------------|----------------------------|-------------------------|------|---------------------------|------|--------------------------------|-------|-----------------|
| Conductor                 | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Armour Diameter (mm/in) |      | Overall Diameter (mm/in.) |      | Cable Weight (kg/km / lbs/kft) |       | Ampacity (Amps) |
|                           |                                |                            |                         |      |                           |      |                                |       | 90°C            |
| 1 AWG                     | 6.6/260                        | 2.80/110                   | 64.46                   | 2.54 | 67.86                     | 2.67 | 4653                           | 6923  | 185             |
| 1/0 AWG                   | 6.6/260                        | 2.80/110                   | 66.60                   | 2.62 | 70.00                     | 2.76 | 5112                           | 7606  | 215             |
| 2/0 AWG                   | 6.6/260                        | 2.80/110                   | 68.79                   | 2.71 | 72.20                     | 2.84 | 5652                           | 8409  | 245             |
| 3/0 AWG                   | 6.6/260                        | 2.80/110                   | 71.43                   | 2.81 | 74.83                     | 2.95 | 6392                           | 9510  | 285             |
| 4/0 AWG                   | 6.6/260                        | 3.56/140                   | 75.27                   | 2.96 | 78.67                     | 3.10 | 7314                           | 10882 | 325             |
| 250 MCM                   | 6.6/260                        | 3.56/140                   | 80.06                   | 3.15 | 83.97                     | 3.31 | 8510                           | 12661 | 360             |
| 350 MCM                   | 6.6/260                        | 3.56/140                   | 85.33                   | 3.36 | 89.24                     | 3.51 | 10362                          | 15417 | 435             |
| 500 MCM                   | 6.6/260                        | 3.56/140                   | 91.91                   | 3.62 | 95.82                     | 3.77 | 12693                          | 18885 | 535             |
| 750 MCM                   | 6.6/260                        | 3.56/140                   | 106.12                  | 4.18 | 110.03                    | 4.33 | 17862                          | 26575 | 670             |
| 25kV 133% Three Conductor |                                |                            |                         |      |                           |      |                                |       |                 |
| 1 AWG                     | 8.1/320                        | 3.56/140                   | 71.32                   | 2.81 | 74.73                     | 2.94 | 5243                           | 7801  | 185             |
| 1/0 AWG                   | 8.1/320                        | 3.56/140                   | 74.39                   | 2.93 | 77.79                     | 3.06 | 5855                           | 8711  | 215             |
| 2/0 AWG                   | 8.1/320                        | 3.56/140                   | 78.36                   | 3.09 | 82.27                     | 3.24 | 6827                           | 10157 | 245             |
| 3/0 AWG                   | 8.1/320                        | 3.56/140                   | 80.99                   | 3.19 | 84.91                     | 3.34 | 7602                           | 11310 | 285             |
| 4/0 AWG                   | 8.1/320                        | 3.56/140                   | 83.85                   | 3.30 | 87.76                     | 3.46 | 8452                           | 12575 | 325             |
| 250 MCM                   | 8.1/320                        | 3.56/140                   | 86.86                   | 3.42 | 90.78                     | 3.57 | 9260                           | 13777 | 360             |
| 350 MCM                   | 8.1/320                        | 3.56/140                   | 92.13                   | 3.63 | 96.04                     | 3.78 | 11147                          | 16585 | 435             |
| 500 MCM                   | 8.1/320                        | 3.56/140                   | 97.72                   | 3.85 | 102.63                    | 4.04 | 13794                          | 20523 | 535             |

# Addison Medium Voltage Cables



| 28kV 100% Three Conductor         |                                |                            |                         |      |                           |      |                                |         |                 |
|-----------------------------------|--------------------------------|----------------------------|-------------------------|------|---------------------------|------|--------------------------------|---------|-----------------|
| Conductor                         | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Armour Diameter (mm/in) |      | Overall Diameter (mm/in.) |      | Cable Weight (kg/km / lbs/kft) |         | Ampacity (Amps) |
|                                   |                                |                            |                         |      |                           |      |                                |         | 90°C            |
| 1 AWG                             | 7.1/280                        | 2.80/110                   | 66.76                   | 2.63 | 70.17                     | 2.76 | 4858                           | 3264.43 | 185             |
| 1/0 AWG                           | 7.1/280                        | 2.80/110                   | 68.90                   | 2.71 | 72.31                     | 2.85 | 5322                           | 3576.22 | 215             |
| 2/0 AWG                           | 7.1/280                        | 2.80/110                   | 71.10                   | 2.80 | 74.50                     | 2.93 | 5866                           | 3941.77 | 245             |
| 3/0 AWG                           | 7.1/280                        | 2.80/110                   | 74.72                   | 2.94 | 78.12                     | 3.08 | 6722                           | 4516.98 | 285             |
| 4/0 AWG                           | 7.1/280                        | 3.56/140                   | 79.35                   | 3.12 | 83.26                     | 3.28 | 7965                           | 5352.23 | 325             |
| 250 MCM                           | 7.1/280                        | 3.56/140                   | 82.37                   | 3.24 | 86.28                     | 3.40 | 8759                           | 5885.78 | 360             |
| 350 MCM                           | 7.1/280                        | 3.56/140                   | 87.63                   | 3.45 | 91.54                     | 3.60 | 10625                          | 7139.67 | 435             |
| 500 MCM                           | 7.1/280                        | 3.56/140                   | 94.22                   | 3.71 | 98.13                     | 3.86 | 13241                          | 8897.54 | 535             |
| 28kV 133% Copper Single Conductor |                                |                            |                         |      |                           |      |                                |         |                 |
| 1 AWG                             | 8.8/345                        | 3.56/140                   | 75.21                   | 2.96 | 78.62                     | 3.10 | 5667                           | 3808.05 | 185             |
| 1/0 AWG                           | 8.8/345                        | 3.56/140                   | 79.13                   | 3.12 | 83.04                     | 3.27 | 6568                           | 4413.49 | 215             |
| 2/0 AWG                           | 8.8/345                        | 3.56/140                   | 81.32                   | 3.20 | 85.24                     | 3.36 | 7143                           | 4799.87 | 245             |
| 3/0 AWG                           | 8.8/345                        | 3.56/140                   | 83.96                   | 3.31 | 87.87                     | 3.46 | 7926                           | 5326.03 | 285             |
| 4/0 AWG                           | 8.8/345                        | 3.56/140                   | 86.81                   | 3.42 | 90.72                     | 3.57 | 8784                           | 5902.58 | 325             |
| 250 MCM                           | 8.8/345                        | 3.56/140                   | 89.83                   | 3.54 | 93.74                     | 3.69 | 9601                           | 6451.57 | 360             |
| 350 MCM                           | 8.8/345                        | 3.56/140                   | 95.09                   | 3.74 | 99.01                     | 3.90 | 11504                          | 7730.33 | 435             |
| 500 MCM                           | 8.8/345                        | 3.56/140                   | 101.68                  | 4.00 | 105.59                    | 4.16 | 14170                          | 9521.80 | 535             |



## Caledonian Medium Voltage Cables

| 35kV 100% Three Conductor |                                |                            |                         |      |                           |      |                                |         |                 |
|---------------------------|--------------------------------|----------------------------|-------------------------|------|---------------------------|------|--------------------------------|---------|-----------------|
| Conductor                 | Insulation Thickness (mm/mils) | Sheath Thickness (mm/mils) | Armour Diameter (mm/in) |      | Overall Diameter (mm/in.) |      | Cable Weight (kg/km / lbs/kft) |         | Ampacity (Amps) |
|                           |                                |                            |                         |      |                           |      |                                |         | 90°C            |
| 1/0 AWG                   | 8.8/345                        | 3.56/140                   | 79.13                   | 3.12 | 83.04                     | 3.27 | 6568                           | 4413.49 | 215             |
| 2/0 AWG                   | 8.8/345                        | 3.56/140                   | 81.32                   | 3.20 | 85.24                     | 3.36 | 7143                           | 4799.87 | 245             |
| 3/0 AWG                   | 8.8/345                        | 3.56/140                   | 83.96                   | 3.31 | 87.87                     | 3.46 | 7926                           | 5326.03 | 285             |
| 4/0 AWG                   | 8.8/345                        | 3.56/140                   | 86.81                   | 3.42 | 90.72                     | 3.57 | 8784                           | 5902.58 | 325             |
| 250 MCM                   | 8.8/345                        | 3.56/140                   | 89.83                   | 3.54 | 93.74                     | 3.69 | 9601                           | 6451.57 | 360             |
| 350 MCM                   | 8.8/345                        | 3.56/140                   | 95.09                   | 3.74 | 99.01                     | 3.90 | 11504                          | 7730.33 | 435             |
| 500 MCM                   | 8.8/345                        | 3.56/140                   | 101.68                  | 4.00 | 105.59                    | 4.16 | 14170                          | 9521.80 | 535             |
| 35kV 133% Three Conductor |                                |                            |                         |      |                           |      |                                |         |                 |
| 1/0 AWG                   | 10.7/420                       | 3.56/140                   | 87.69                   | 3.45 | 91.6                      | 3.61 | 7510                           | 5046.49 | 215             |
| 2/0 AWG                   | 10.7/420                       | 3.56/140                   | 89.88                   | 3.54 | 93.79                     | 3.69 | 8105                           | 5446.31 | 245             |
| 3/0 AWG                   | 10.7/420                       | 3.56/140                   | 92.52                   | 3.64 | 96.43                     | 3.80 | 8910                           | 5987.24 | 285             |
| 4/0 AWG                   | 10.7/420                       | 3.56/140                   | 95.37                   | 3.75 | 99.28                     | 3.91 | 9793                           | 6580.59 | 325             |
| 250 MCM                   | 10.7/420                       | 3.56/140                   | 98.39                   | 3.87 | 102.30                    | 4.03 | 10634                          | 7145.72 | 360             |
| 350 MCM                   | 10.7/420                       | 3.56/140                   | 104.75                  | 4.12 | 108.66                    | 4.28 | 12745                          | 8564.24 | 435             |



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