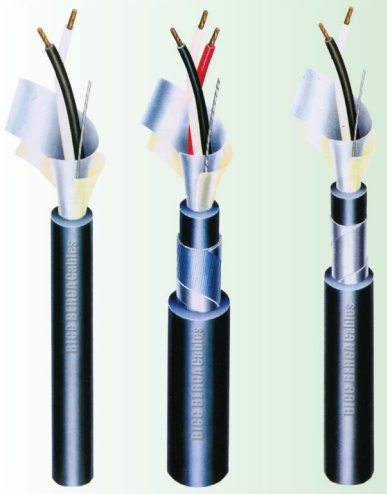
**BICC BERCA Cables**

Producing World-Class Quality Cables in Indonesia

# INSTRUMENTATION CABLES - P1.0 mm²

Copper Stranded Conductor, XLPE Insulated(Black, White), Overall Shielded, LSOH Black - 300/500 V

SNI IEC 60502 - 1



| No of core | Nom. Cross sect. | min. No. of | dia. of wire | dia. of strand. | Wall thickness | | | Approx. Overall dia. | Approx. Total Weight | Standard Length | DC Conductor Resistance at 20°C | Insulation Resistance min. | AC Voltage Test |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Thick. Insul. nom. | Dia. over Insul. | Thick. Outer-Sheath | | | | | | |
| | mm² | wire | mm | mm | mm | mm | mm | mm | kg/km | m | ohm/km | M.Ω.km | kV/5 min. |
| **Single Pair** | | | | | | | | | | | | | |
| 1 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 1,8 | 9,5 | 112 | 1000 | 18,6 | 1000 | 2 |
| **Multi Pair** | | | | | | | | | | | | | |
| 2 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 1,8 | 10,7 | 155 | 1000 | 18,6 | 1000 | 2 |
| 3 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 1,8 | 14,9 | 227 | 1000 | 18,6 | 1000 | 2 |
| 4 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 1,8 | 16,2 | 270 | 1000 | 18,6 | 1000 | 2 |
| 5 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 1,8 | 17,6 | 316 | 1000 | 18,6 | 1000 | 2 |
| 6 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 1,8 | 19,2 | 362 | 1000 | 18,6 | 1000 | 2 |
| 7 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 1,8 | 19,2 | 392 | 1000 | 18,6 | 1000 | 2 |
| 8 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 1,8 | 20,7 | 438 | 1000 | 18,6 | 1000 | 2 |
| 10 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 1,8 | 24,2 | 535 | 1000 | 18,6 | 1000 | 2 |
| 12 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 1,8 | 25,3 | 606 | 1000 | 18,6 | 1000 | 2 |
| 14 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 1,8 | 26,3 | 678 | 1000 | 18,6 | 1000 | 2 |
| 16 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 1,8 | 27,8 | 755 | 1000 | 18,6 | 1000 | 2 |
| 18 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 1,9 | 29,4 | 839 | 1000 | 18,6 | 1000 | 2 |
| 20 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 1,9 | 31,1 | 924 | 1000 | 18,6 | 1000 | 2 |
| 22 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 2,0 | 33,2 | 1019 | 500 | 18,6 | 1000 | 2 |
| 24 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 2,0 | 34,9 | 1106 | 500 | 18,6 | 1000 | 2 |
| 27 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 2,1 | 36,0 | 1215 | 500 | 18,6 | 1000 | 2 |
| 36 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 2,2 | 40,3 | 1565 | 500 | 18,6 | 1000 | 2 |

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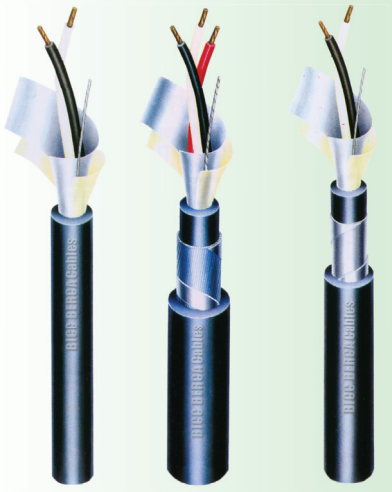
# INSTRUMENTATION CABLES - P1.0 mm²

Copper Stranded Conductor, XLPE Insulated(Black, White),
Individual / Overall Shielded, LSOH Black - 300/500 V

IEC 60502 - 1



| No. of core | Nom. Cross sect. | min. No. of | dia. of wire | dia. of strand. | Wall thickness | | | Approx. Overall dia. | Approx. Total Weight | Standard Length | DC Conductor Resistance at 20°C | Insulation Resistance min. | AC Voltage Test |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Thick. Insul. nom. | Dia. over Insul. | Thick. Outer-Sheath | | | | | | |
| | mm² | wire | mm | mm | mm | mm | mm | mm | kg/km | m | ohm/km | M.Ω.km | kV/5 min. |
| **Multi Pair** | | | | | | | | | | | | | |
| 2 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 1,8 | 14,4 | 210 | 1000 | 18,6 | 1000 | 2 |
| 3 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 1,8 | 15,2 | 258 | 1000 | 18,6 | 1000 | 2 |
| 4 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 1,8 | 16,5 | 312 | 1000 | 18,6 | 1000 | 2 |
| 5 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 1,8 | 18,0 | 366 | 1000 | 18,6 | 1000 | 2 |
| 6 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 1,8 | 19,6 | 422 | 1000 | 18,6 | 1000 | 2 |
| 7 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 1,8 | 19,6 | 462 | 1000 | 18,6 | 1000 | 2 |
| 8 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 1,8 | 21,2 | 518 | 1000 | 18,6 | 1000 | 2 |
| 10 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 1,8 | 24,8 | 634 | 1000 | 18,6 | 1000 | 2 |
| 12 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 1,8 | 25,9 | 724 | 1000 | 18,6 | 1000 | 2 |
| 14 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 1,8 | 26,9 | 814 | 1000 | 18,6 | 1000 | 2 |
| 16 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 1,8 | 28,6 | 914 | 1000 | 18,6 | 1000 | 2 |
| 18 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 1,9 | 30,2 | 1018 | 1000 | 18,6 | 1000 | 2 |
| 20 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 1,9 | 31,9 | 1122 | 1000 | 18,6 | 1000 | 2 |
| 22 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 2,0 | 34,2 | 1237 | 500 | 18,6 | 1000 | 2 |
| 24 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 2,1 | 35,8 | 1344 | 500 | 18,6 | 1000 | 2 |
| 27 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 2,1 | 37,0 | 1482 | 500 | 18,6 | 1000 | 2 |
| 36 | 1,0 | 7 | 0,43 | 1,29 | 0,7 | 2,69 | 2,2 | 41,4 | 1919 | 500 | 18,6 | 1000 | 2 |

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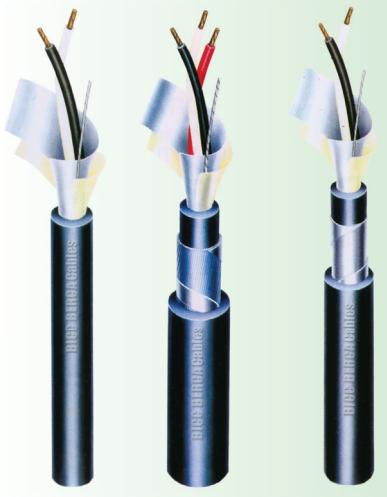
# INSTRUMENTATION CABLES - P1.5 mm²

Copper Stranded Conductor, XLPE Insulated(Black, White),
Individual / Overall Shielded, LSOH Black - 300/500 V

IEC 60502 - 1



| No. of core | Nom. Cross sect. | min. No. of | dia. of wire | dia. of strand. | Wall thickness | | | Approx. Overall dia. | Approx. Total Weight | Standard Length | DC Conductor Resistance at 20°C | Insulation Resistance min. | AC Voltage Test |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Thick. Insul. nom. | Dia. over Insul. | Thick. Outer-Sheath | | | | | | |
| | mm² | wire | mm | mm | mm | mm | mm | mm | kg/km | m | ohm/km | M.Ω.km | kV/5 min. |
| **Multi Pair** | | | | | | | | | | | | | |
| 2 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 1,8 | 15,4 | 242 | 1000 | 12,1 | 1000 | 2 |
| 3 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 1,8 | 16,3 | 301 | 1000 | 12,1 | 1000 | 2 |
| 4 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 1,8 | 17,8 | 367 | 1000 | 12,1 | 1000 | 2 |
| 5 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 1,8 | 19,4 | 434 | 1000 | 12,1 | 1000 | 2 |
| 6 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 1,8 | 21,1 | 502 | 1000 | 12,1 | 1000 | 2 |
| 7 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 1,8 | 21,1 | 552 | 1000 | 12,1 | 1000 | 2 |
| 8 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 1,8 | 22,9 | 620 | 1000 | 12,1 | 1000 | 2 |
| 10 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 1,8 | 26,9 | 761 | 1000 | 12,1 | 1000 | 2 |
| 12 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 1,8 | 28,1 | 875 | 1000 | 12,1 | 1000 | 2 |
| 14 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 1,8 | 29,3 | 994 | 1000 | 12,1 | 1000 | 2 |
| 16 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 1,9 | 31,1 | 1122 | 1000 | 12,1 | 1000 | 2 |
| 18 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 2,0 | 33,0 | 1251 | 1000 | 12,1 | 1000 | 2 |
| 20 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 2,0 | 34,8 | 1381 | 1000 | 12,1 | 1000 | 2 |
| 22 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 2,1 | 37,3 | 1523 | 500 | 12,1 | 1000 | 2 |
| 24 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 2,2 | 39,1 | 1656 | 500 | 12,1 | 1000 | 2 |
| 27 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 2,2 | 40,3 | 1829 | 500 | 12,1 | 1000 | 2 |
| 36 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 2,3 | 45,3 | 2375 | 500 | 12,1 | 1000 | 2 |

**BICC BERCA Cables**

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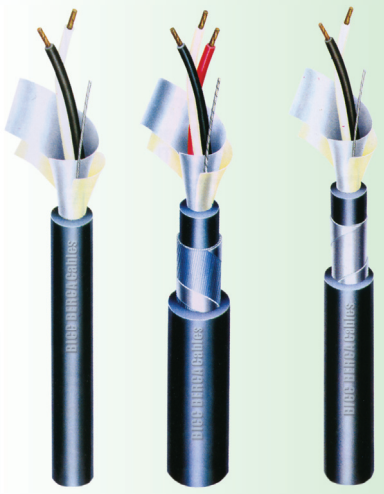
# INSTRUMENTATION CABLES - P1.5 mm²

Copper Stranded Conductor, XLPE Insulated(Black, White),
Overall Shielded, Galvanized Steel Wire, LSOH Black - 300/500 V

IEC 60502 - 1



| No. of core | Nom. Cross sect. | min. No. of wire | dia. of wire | dia. of strand. | Wall thickness | | | | | Approx. Overall dia. | Approx. Total Weight | Standard Length | DC Conductor Resistance at 20°C | Insulation Resistance min. | AC Voltage Test |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Thick. Insul. nom. | Dia. over Insul. | Thick. Inner-Sheath | dia. steel wire | Thick. Outer-Sheath | | | | | | |
| | mm² | wire | mm | mm | mm | mm | mm | mm | mm | mm | kg/km | m | ohm/km | M.Ω.km | kV/5 min. |
| **Single Pair** | | | | | | | | | | | | | | | |
| 1 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.0 | 0.90 | 1.8 | 12.2 | 367 | 1000 | 12.1 | 1000 | 2 |
| **Multi Pair** | | | | | | | | | | | | | | | |
| 2 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.0 | 0.90 | 1.8 | 13.5 | 448 | 1000 | 12.1 | 1000 | 2 |
| 3 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.0 | 1.25 | 1.8 | 18.1 | 753 | 1000 | 12.1 | 1000 | 2 |
| 4 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.0 | 1.60 | 1.8 | 19.5 | 978 | 1000 | 12.1 | 1000 | 2 |
| 5 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.0 | 1.60 | 1.8 | 21.1 | 1091 | 1000 | 12.1 | 1000 | 2 |
| 6 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.0 | 1.60 | 1.8 | 22.8 | 1206 | 1000 | 12.1 | 1000 | 2 |
| 7 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.0 | 1.60 | 1.8 | 22.8 | 1247 | 1000 | 12.1 | 1000 | 2 |
| 8 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.0 | 1.60 | 1.8 | 24.5 | 1361 | 1000 | 12.1 | 1000 | 2 |
| 10 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.0 | 1.60 | 1.9 | 28.7 | 1652 | 1000 | 12.1 | 1000 | 2 |
| 12 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.0 | 1.60 | 2.0 | 29.9 | 1790 | 1000 | 12.1 | 1000 | 2 |
| 14 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.0 | 2.00 | 2.0 | 31.1 | 2176 | 1000 | 12.1 | 1000 | 2 |
| 16 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.2 | 2.00 | 2.1 | 33.4 | 2410 | 1000 | 12.1 | 1000 | 2 |
| 18 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.2 | 2.00 | 2.2 | 35.2 | 2608 | 1000 | 12.1 | 1000 | 2 |
| 20 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.2 | 2.00 | 2.2 | 36.9 | 2782 | 1000 | 12.1 | 1000 | 2 |
| 22 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.2 | 2.00 | 2.3 | 39.3 | 2997 | 500 | 12.1 | 1000 | 2 |
| 24 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.2 | 2.00 | 2.3 | 41.1 | 3198 | 500 | 12.1 | 1000 | 2 |
| 27 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.2 | 2.50 | 2.4 | 42.4 | 3793 | 500 | 12.1 | 1000 | 2 |
| 36 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.4 | 2.50 | 2.6 | 47.6 | 4579 | 500 | 12.1 | 1000 | 2 |

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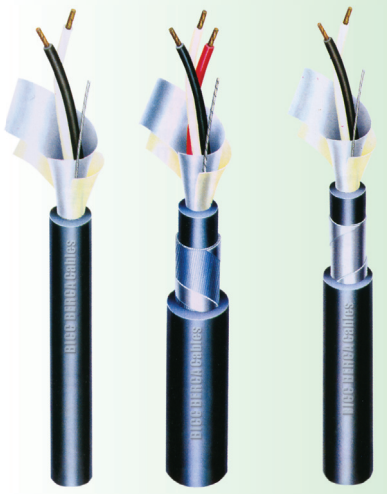
# INSTRUMENTATION CABLES - P1.5 mm²



Copper Stranded Conductor, XLPE Insulated(Black, White),
Individual / Overall Shielded, Galvanized Steel Wire,
LSOH Black - 300/500 V

IEC 60502 - 1

| No. of core | Nom. Cross sect. | min. No. of wire | dia. of wire | dia. of strand. | Wall thickness | | | | | Approx. Overall dia. | Approx. Total Weight | Standard Length | DC Conductor Resistance at 20°C | Insulation Resistance min. | AC Voltage Test |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Thick. Insul. nom. | Dia. over Insul. | Thick. Inner-Sheath | dia. steel wire | Thick. Outer-Sheath | | | | | | |
| | mm² | wire | mm | mm | mm | mm | mm | mm | mm | mm | kg/km | m | ohm/km | M.Ω.km | kV/5 min. |
| **Multi Pair** | | | | | | | | | | | | | | | |
| 2 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.0 | 1.25 | 1.8 | 17.5 | 713 | 1000 | 12.1 | 1000 | 2 |
| 3 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.0 | 1.25 | 1.8 | 18.4 | 797 | 1000 | 12.1 | 1000 | 2 |
| 4 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.0 | 1.60 | 1.8 | 19.9 | 1038 | 1000 | 12.1 | 1000 | 2 |
| 5 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.0 | 1.60 | 1.8 | 21.5 | 1162 | 1000 | 12.1 | 1000 | 2 |
| 6 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.0 | 1.60 | 1.8 | 23.2 | 1286 | 1000 | 12.1 | 1000 | 2 |
| 7 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.0 | 1.60 | 1.8 | 23.2 | 1337 | 1000 | 12.1 | 1000 | 2 |
| 8 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.0 | 1.60 | 1.8 | 25.0 | 1464 | 1000 | 12.1 | 1000 | 2 |
| 10 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.0 | 1.60 | 2.0 | 29.3 | 1778 | 1000 | 12.1 | 1000 | 2 |
| 12 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.0 | 2.00 | 2.0 | 30.6 | 2174 | 1000 | 12.1 | 1000 | 2 |
| 14 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.0 | 2.00 | 2.1 | 31.8 | 2350 | 1000 | 12.1 | 1000 | 2 |
| 16 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.2 | 2.00 | 2.1 | 34.1 | 2606 | 1000 | 12.1 | 1000 | 2 |
| 18 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.2 | 2.00 | 2.2 | 36.0 | 2824 | 1000 | 12.1 | 1000 | 2 |
| 20 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.2 | 2.00 | 2.2 | 37.8 | 3019 | 1000 | 12.1 | 1000 | 2 |
| 22 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.2 | 2.00 | 2.3 | 40.3 | 3280 | 500 | 12.1 | 1000 | 2 |
| 24 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.2 | 2.50 | 2.4 | 42.2 | 3895 | 500 | 12.1 | 1000 | 2 |
| 27 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.2 | 2.50 | 2.5 | 43.4 | 4117 | 500 | 12.1 | 1000 | 2 |
| 36 | 1.5 | 7 | 0.52 | 1.56 | 0.7 | 2.96 | 1.4 | 2.50 | 2.6 | 48.8 | 4995 | 500 | 12.1 | 1000 | 2 |

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# INSTRUMENTATION CABLES - P2.5 mm²

Copper Stranded Conductor, XLPE Insulated(Black, White), Overall Shielded, LSOH Black - 300/500 V

IEC 60502 - 1

| No. of core | Nom. Cross sect. | min. No. of wire | dia. of wire | dia. of strand. | Wall thickness | | | Approx. Overall dia. | Approx. Total Weight | Standard Length | DC Conductor Resistance at 20°C | Insulation Resistance min. | AC Voltage Test |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Thick. Insul. nom. | Dia. over Insul. | Thick. Outer-Sheath | | | | | | |
| | mm² | wire | mm | mm | mm | mm | mm | mm | kg/km | m | ohm/km | M.Ω.km | kV/5 min. |
| **Single Pair** | | | | | | | | | | | | | |
| 1 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.8 | 11.1 | 158 | 1000 | 7.41 | 1000 | 2 |
| **Multi Pair** | | | | | | | | | | | | | |
| 2 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.8 | 12.5 | 235 | 1000 | 7.41 | 1000 | 2 |
| 3 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.8 | 17.8 | 349 | 1000 | 7.41 | 1000 | 2 |
| 4 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.8 | 19.5 | 428 | 1000 | 7.41 | 1000 | 2 |
| 5 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.8 | 21.3 | 508 | 1000 | 7.41 | 1000 | 2 |
| 6 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.8 | 23.2 | 589 | 1000 | 7.41 | 1000 | 2 |
| 7 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.8 | 23.2 | 651 | 1000 | 7.41 | 1000 | 2 |
| 8 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.8 | 25.2 | 732 | 1000 | 7.41 | 1000 | 2 |
| 10 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.9 | 29.8 | 911 | 1000 | 7.41 | 1000 | 2 |
| 12 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.9 | 31.2 | 1055 | 1000 | 7.41 | 1000 | 2 |
| 14 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 2.0 | 32.6 | 1199 | 1000 | 7.41 | 1000 | 2 |
| 16 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 2.0 | 34.6 | 1355 | 1000 | 7.41 | 1000 | 2 |
| 18 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 2.1 | 36.7 | 1512 | 1000 | 7.41 | 1000 | 2 |
| 20 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 2.1 | 38.8 | 1671 | 1000 | 7.41 | 1000 | 2 |
| 22 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 2.2 | 41.5 | 1843 | 500 | 7.41 | 1000 | 2 |
| 24 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 2.3 | 43.6 | 2005 | 500 | 7.41 | 1000 | 2 |
| 27 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 2.3 | 45.0 | 2217 | 500 | 7.41 | 1000 | 2 |
| 36 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 2.5 | 50.5 | 2883 | 500 | 7.41 | 1000 | 2 |

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# INSTRUMENTATION CABLES - P2.5 mm²

Copper Stranded Conductor, XLPE Insulated(Black, White), Individual / Overall Shielded, LSOH Black - 300/500 V

IEC 60502 - 1

| No. of core | Nom. Cross sect. | min. No. of | dia. of wire | dia. of strand. | Wall thickness | | | Approx. Overall dia. | Approx. Total Weight | Standard Length | DC Conductor Resistance at 20°C | Insulation Resistance min. | AC Voltage Test |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Thick. Insul. nom. | Dia. over Insul. | Thick. Outer-Sheath | | | | | | |
| | mm² | wire | mm | mm | mm | mm | mm | mm | kg/km | m | ohm/km | M.Ω.km | kV/5 min. |
| **Multi Pair** | | | | | | | | | | | | | |
| 2 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.8 | 17.1 | 302 | 1000 | 7.41 | 1000 | 2 |
| 3 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.8 | 18.1 | 384 | 1000 | 7.41 | 1000 | 2 |
| 4 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.8 | 19.8 | 473 | 1000 | 7.41 | 1000 | 2 |
| 5 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.8 | 21.7 | 564 | 1000 | 7.41 | 1000 | 2 |
| 6 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.8 | 23.7 | 656 | 1000 | 7.41 | 1000 | 2 |
| 7 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.8 | 23.7 | 728 | 1000 | 7.41 | 1000 | 2 |
| 8 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.8 | 25.7 | 820 | 1000 | 7.41 | 1000 | 2 |
| 10 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.9 | 30.5 | 1024 | 1000 | 7.41 | 1000 | 2 |
| 12 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.9 | 31.9 | 1189 | 1000 | 7.41 | 1000 | 2 |
| 14 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 2.0 | 33.3 | 1355 | 1000 | 7.41 | 1000 | 2 |
| 16 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 2.0 | 35.4 | 1533 | 1000 | 7.41 | 1000 | 2 |
| 18 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 2.1 | 37.5 | 1712 | 1000 | 7.41 | 1000 | 2 |
| 20 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 2.2 | 39.6 | 1893 | 1000 | 7.41 | 1000 | 2 |
| 22 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 2.3 | 42.5 | 2088 | 500 | 7.41 | 1000 | 2 |
| 24 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 2.3 | 44.6 | 2272 | 500 | 7.41 | 1000 | 2 |
| 27 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 2.4 | 46.0 | 2515 | 500 | 7.41 | 1000 | 2 |
| 36 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 2.5 | 51.6 | 3279 | 500 | 7.41 | 1000 | 2 |

**BICC BERCA Cables**
Producing World-Class Quality Cables in Indonesia

# INSTRUMENTATION CABLES - P2.5 mm²

Copper Stranded Conductor, XLPE Insulated(Black, White),
Overall Shielded, Galvanized Steel Wire,
LSOH Black - 300/500 V

IEC 60502 - 1

| No. of core | Nom. Cross sect. | min. No. of wire | dia. of wire | dia. of strand. | Wall thickness | | | | | Approx. Overall dia. | Approx. Total Weight | Standard Length | DC Conductor Resistance at 20°C | Insulation Resistance min. | AC Voltage Test |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Thick. Insul. nom. | Dia. over Insul. | Thick. Inner-Sheath | dia. steel wire | Thick. Outer-Sheath | | | | | | |
| | mm² | wire | mm | mm | mm | mm | mm | mm | mm | mm | kg/km | m | ohm/km | M.Ω.km | kV/5 min. |
| **Single Pair** | | | | | | | | | | | | | | | |
| 1 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.0 | 0.90 | 1.8 | 13.2 | 417 | 1000 | 7.41 | 1000 | 2 |
| **Multi Pair** | | | | | | | | | | | | | | | |
| 2 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.0 | 1.25 | 1.8 | 14.6 | 623 | 1000 | 7.41 | 1000 | 2 |
| 3 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.0 | 1.60 | 1.8 | 19.9 | 1021 | 1000 | 7.41 | 1000 | 2 |
| 4 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.0 | 1.60 | 1.8 | 21.6 | 1157 | 1000 | 7.41 | 1000 | 2 |
| 5 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.0 | 1.60 | 1.8 | 23.4 | 1294 | 1000 | 7.41 | 1000 | 2 |
| 6 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.0 | 1.60 | 1.8 | 25.4 | 1454 | 1000 | 7.41 | 1000 | 2 |
| 7 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.0 | 1.60 | 1.8 | 25.4 | 1516 | 1000 | 7.41 | 1000 | 2 |
| 8 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.0 | 1.60 | 1.9 | 27.5 | 1682 | 1000 | 7.41 | 1000 | 2 |
| 10 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.0 | 2.00 | 2.1 | 32.4 | 2297 | 1000 | 7.41 | 1000 | 2 |
| 12 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.2 | 2.00 | 2.1 | 34.2 | 2540 | 1000 | 7.41 | 1000 | 2 |
| 14 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.2 | 2.00 | 2.2 | 35.6 | 2746 | 1000 | 7.41 | 1000 | 2 |
| 16 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.2 | 2.00 | 2.2 | 37.6 | 2993 | 1000 | 7.41 | 1000 | 2 |
| 18 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.2 | 2.00 | 2.3 | 39.7 | 3242 | 1000 | 7.41 | 1000 | 2 |
| 20 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.2 | 2.50 | 2.4 | 41.8 | 3909 | 1000 | 7.41 | 1000 | 2 |
| 22 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.4 | 2.50 | 2.5 | 45.1 | 4275 | 500 | 7.41 | 1000 | 2 |
| 24 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.4 | 2.50 | 2.6 | 47.1 | 4573 | 500 | 7.41 | 1000 | 2 |
| 27 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.4 | 2.50 | 2.6 | 48.5 | 4836 | 500 | 7.41 | 1000 | 2 |
| 36 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.4 | 2.50 | 2.8 | 54.0 | 5790 | 500 | 7.41 | 1000 | 2 |

**BICC BERCA Cables**

Producing World-Class Quality Cables in Indonesia

# INSTRUMENTATION CABLES - P2.5 mm²

Copper Stranded Conductor, XLPE Insulated(Black, White),
Individual / Overall Shielded, Galvanized Steel Wire,
LSOH Black - 300/500 V

IEC 60502 - 1

| No. of core | Nom. Cross sect. | min. No. of wire | dia. of wire | dia. of strand. | Wall thickness | | | | | Approx. Overall dia. | Approx. Total Weight | Standard Length | DC Conductor Resistance at 20°C | Insulation Resistance min. | AC Voltage Test |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Thick. Insul. nom. | Dia. over Insul. | Thick. Inner-Sheath | dia. steel wire | Thick. Outer-Sheath | | | | | | |
| | mm² | wire | mm | mm | mm | mm | mm | mm | mm | mm | kg/km | m | ohm/km | M.Ω.km | kV/5 min. |
| **Multi Pair** | | | | | | | | | | | | | | | |
| 2 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.0 | 1.25 | 1.8 | 19.2 | 821 | 1000 | 7.41 | 1000 | 2 |
| 3 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.0 | 1.60 | 1.8 | 20.2 | 1058 | 1000 | 7.41 | 1000 | 2 |
| 4 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.0 | 1.60 | 1.8 | 21.9 | 1219 | 1000 | 7.41 | 1000 | 2 |
| 5 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.0 | 1.60 | 1.8 | 23.8 | 1368 | 1000 | 7.41 | 1000 | 2 |
| 6 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.0 | 1.60 | 1.8 | 25.9 | 1541 | 1000 | 7.41 | 1000 | 2 |
| 7 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.0 | 1.60 | 1.8 | 25.9 | 1613 | 1000 | 7.41 | 1000 | 2 |
| 8 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.0 | 1.60 | 1.9 | 28.0 | 1790 | 1000 | 7.41 | 1000 | 2 |
| 10 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.2 | 2.00 | 2.1 | 33.5 | 2478 | 1000 | 7.41 | 1000 | 2 |
| 12 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.2 | 2.00 | 2.2 | 34.9 | 2704 | 1000 | 7.41 | 1000 | 2 |
| 14 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.2 | 2.00 | 2.2 | 36.3 | 2931 | 1000 | 7.41 | 1000 | 2 |
| 16 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.2 | 2.00 | 2.3 | 38.4 | 3201 | 1000 | 7.41 | 1000 | 2 |
| 18 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.2 | 2.00 | 2.3 | 40.5 | 3472 | 1000 | 7.41 | 1000 | 2 |
| 20 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.2 | 2.50 | 2.4 | 42.7 | 4175 | 1000 | 7.41 | 1000 | 2 |
| 22 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.4 | 2.50 | 2.5 | 46.0 | 4564 | 500 | 7.41 | 1000 | 2 |
| 24 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.4 | 2.50 | 2.6 | 48.1 | 4885 | 500 | 7.41 | 1000 | 2 |
| 27 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.4 | 2.50 | 2.6 | 49.5 | 5181 | 500 | 7.41 | 1000 | 2 |
| 36 | 2.5 | 7 | 0.67 | 2.01 | 0.7 | 3.41 | 1.4 | 2.50 | 2.8 | 55.1 | 6270 | 500 | 7.41 | 1000 | 2 |

**BICC BERCA Cables**

Producing World-Class Quality Cables in Indonesia

# INSTRUMENTATION CABLES - P16 AWG

Copper Stranded Conductor, XLPE Insulated(Black, White), Overall Shielded, LSOH Black - 300/500 V

IEC 60502 - 1


| No. of core | Nom. Cross sect. | min. No. of wire | dia. of wire | dia. of strand. | Wall thickness | | | Approx. Overall dia. | Approx. Total Weight | Standard Length | DC Conductor Resistance at 20°C | Insulation Resistance min. | AC Voltage Test |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Thick. Insul. nom. | Dia. over Insul. | Thick. Outer-Sheath | | | | | | |
| | AWG | wire | mm | mm | mm | mm | mm | mm | kg/km | m | ohm/km | M.Ω.km | kV/5 min. |
| **Single Pair** | | | | | | | | | | | | | |
| 1 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,8 | 9,9 | 123 | 1000 | 13,7 | 1000 | 2 |
| **Multi Pair** | | | | | | | | | | | | | |
| 2 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,8 | 11,2 | 172 | 1000 | 13,7 | 1000 | 2 |
| 3 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,8 | 15,6 | 254 | 1000 | 13,7 | 1000 | 2 |
| 4 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,8 | 17,0 | 305 | 1000 | 13,7 | 1000 | 2 |
| 5 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,8 | 18,5 | 358 | 1000 | 13,7 | 1000 | 2 |
| 6 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,8 | 20,2 | 412 | 1000 | 13,7 | 1000 | 2 |
| 7 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,8 | 20,2 | 449 | 1000 | 13,7 | 1000 | 2 |
| 8 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,8 | 21,8 | 503 | 1000 | 13,7 | 1000 | 2 |
| 10 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,8 | 25,6 | 615 | 1000 | 13,7 | 1000 | 2 |
| 12 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,8 | 26,7 | 701 | 1000 | 13,7 | 1000 | 2 |
| 14 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,8 | 27,8 | 786 | 1000 | 13,7 | 1000 | 2 |
| 16 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,9 | 29,5 | 886 | 1000 | 13,7 | 1000 | 2 |
| 18 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,9 | 31,2 | 986 | 1000 | 13,7 | 1000 | 2 |
| 20 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 2,0 | 33,0 | 1087 | 1000 | 13,7 | 1000 | 2 |
| 22 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 2,0 | 35,3 | 1198 | 500 | 13,7 | 1000 | 2 |
| 24 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 2,1 | 37,1 | 1302 | 500 | 13,7 | 1000 | 2 |
| 27 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 2,1 | 38,2 | 1433 | 500 | 13,7 | 1000 | 2 |
| 36 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 2,3 | 42,9 | 1852 | 500 | 13,7 | 1000 | 2 |

**BICC BERCA Cables**

Producing World-Class Quality Cables in Indonesia

# INSTRUMENTATION CABLES - P16 AWG

Copper Stranded Conductor, XLPE Insulated(Black, White), Individual / Overall Shielded, LSOH Black - 300/500 V

IEC 60502 - 1


| No. of core | Nom. Cross sect. | min. No. of wire | dia. of wire | dia. of strand. | Wall thickness | | | Approx. Overall dia. | Approx. Total Weight | Standard Length | DC Conductor Resistance at 20°C | Insulation Resistance min. | AC Voltage Test |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Thick. Insul. nom. | Dia. over Insul. | Thick. Outer-Sheath | | | | | | |
| | AWG | wire | mm | mm | mm | mm | mm | mm | kg/km | m | ohm/km | M.Ω.km | kV/5 min. |
| **Multi Pair** | | | | | | | | | | | | | |
| 2 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,8 | 15,0 | 231 | 1000 | 13,7 | 1000 | 2 |
| 3 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,8 | 15,9 | 286 | 1000 | 13,7 | 1000 | 2 |
| 4 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,8 | 17,4 | 348 | 1000 | 13,7 | 1000 | 2 |
| 5 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,8 | 19,0 | 410 | 1000 | 13,7 | 1000 | 2 |
| 6 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,8 | 20,6 | 474 | 1000 | 13,7 | 1000 | 2 |
| 7 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,8 | 20,6 | 521 | 1000 | 13,7 | 1000 | 2 |
| 8 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,8 | 22,3 | 584 | 1000 | 13,7 | 1000 | 2 |
| 10 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,8 | 26,2 | 717 | 1000 | 13,7 | 1000 | 2 |
| 12 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,8 | 27,3 | 822 | 1000 | 13,7 | 1000 | 2 |
| 14 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,8 | 28,5 | 930 | 1000 | 13,7 | 1000 | 2 |
| 16 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,9 | 30,3 | 1049 | 1000 | 13,7 | 1000 | 2 |
| 18 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,9 | 32,1 | 1170 | 1000 | 13,7 | 1000 | 2 |
| 20 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 2,0 | 33,8 | 1291 | 1000 | 13,7 | 1000 | 2 |
| 22 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 2,1 | 36,2 | 1423 | 500 | 13,7 | 1000 | 2 |
| 24 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 2,1 | 38,0 | 1547 | 500 | 13,7 | 1000 | 2 |
| 27 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 2,2 | 39,2 | 1708 | 500 | 13,7 | 1000 | 2 |
| 36 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 2,3 | 44,0 | 2216 | 500 | 13,7 | 1000 | 2 |

**BICC BERCA Cables**
Producing World-Class Quality Cables in Indonesia

# INSTRUMENTATION CABLES - P16 AWG

Copper Stranded Conductor, XLPE Insulated(Black, White),
Overall Shielded, Galvanized Steel Wire, LSOH Black - 300/500 V

IEC 60502 - 1

| No. of core | Nom. Cross sect. | min. No. of wire | dia. of wire | dia. of strand. | Wall thickness | | | | | Approx. Overall dia. | Approx. Total Weight | Standard Length | DC Conductor Resistance at 20°C | Insulation Resistance min. | AC Voltage Test |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Thick. Insul. nom. | Dia. over Insul. | Thick. Inner-Sheath | dia. steel wire | Thick. Outer-Sheath | | | | | | |
| | AWG | wire | mm | mm | mm | mm | mm | mm | mm | mm | kg/km | m | ohm/km | M.Ω.km | kV/5 min. |
| **Single Pair** | | | | | | | | | | | | | | | |
| 1 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,0 | 0,90 | 1,8 | 12,0 | 355 | 1000 | 13,7 | 1000 | 2 |
| **Multi Pair** | | | | | | | | | | | | | | | |
| 2 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,0 | 0,90 | 1,8 | 13,3 | 432 | 1000 | 13,7 | 1000 | 2 |
| 3 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,0 | 1,25 | 1,8 | 17,7 | 727 | 1000 | 13,7 | 1000 | 2 |
| 4 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,0 | 1,25 | 1,8 | 19,1 | 815 | 1000 | 13,7 | 1000 | 2 |
| 5 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,0 | 1,60 | 1,8 | 20,6 | 1050 | 1000 | 13,7 | 1000 | 2 |
| 6 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,0 | 1,60 | 1,8 | 22,3 | 1160 | 1000 | 13,7 | 1000 | 2 |
| 7 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,0 | 1,60 | 1,8 | 22,3 | 1198 | 1000 | 13,7 | 1000 | 2 |
| 8 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,0 | 1,60 | 1,8 | 23,9 | 1308 | 1000 | 13,7 | 1000 | 2 |
| 10 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,0 | 1,60 | 1,9 | 27,9 | 1570 | 1000 | 13,7 | 1000 | 2 |
| 12 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,0 | 1,60 | 1,9 | 29,1 | 1700 | 1000 | 13,7 | 1000 | 2 |
| 14 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,0 | 1,60 | 2,0 | 30,2 | 1846 | 1000 | 13,7 | 1000 | 2 |
| 16 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,0 | 2,00 | 2,1 | 32,0 | 2245 | 1000 | 13,7 | 1000 | 2 |
| 18 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,2 | 2,00 | 2,1 | 34,2 | 2472 | 1000 | 13,7 | 1000 | 2 |
| 20 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,2 | 2,00 | 2,2 | 36,0 | 2662 | 1000 | 13,7 | 1000 | 2 |
| 22 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,2 | 2,00 | 2,3 | 38,3 | 2867 | 500 | 13,7 | 1000 | 2 |
| 24 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,2 | 2,00 | 2,3 | 40,0 | 3035 | 500 | 13,7 | 1000 | 2 |
| 27 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,2 | 2,00 | 2,4 | 41,2 | 3225 | 500 | 13,7 | 1000 | 2 |
| 36 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,4 | 2,50 | 2,5 | 46,4 | 4373 | 500 | 13,7 | 1000 | 2 |

**BICC BERCA Cables**

Producing World-Class Quality Cables in Indonesia

# INSTRUMENTATION CABLES - P16 AWG

Copper Stranded Conductor, XLPE Insulated(Black, White),
Individual / Overall Shielded, Galvanized Steel Wire,
LSOH Black - 300/500 V

IEC 60502 - 1

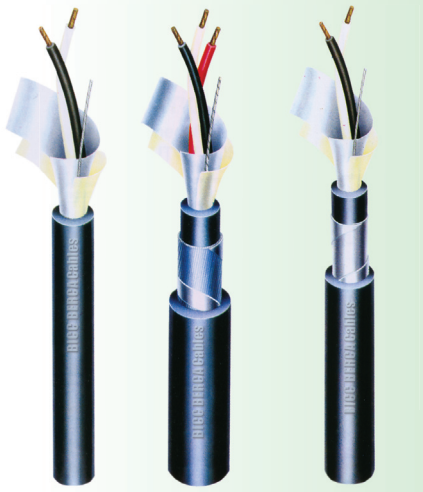

| No. of core | Nom. Cross sect. | min. No. of wire | dia. of wire | dia. of strand. | Wall thickness | | | | | Approx. Overall dia. | Approx. Total Weight | Standard Length | DC Conductor Resistance at 20°C | Insulation Resistance min. | AC Voltage Test |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Thick. Insul. nom. | Dia. over Insul. | Thick. Inner-Sheath | dia. steel wire | Thick. Outer-Sheath | | | | | | |
| | AWG | wire | mm | mm | mm | mm | mm | mm | mm | mm | kg/km | m | ohm/km | M.Ω.km | kV/5 min. |
| **Multi Pair** | | | | | | | | | | | | | | | |
| 2 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,0 | 1,25 | 1,8 | 17,1 | 691 | 1000 | 13,7 | 1000 | 2 |
| 3 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,0 | 1,25 | 1,8 | 18,0 | 770 | 1000 | 13,7 | 1000 | 2 |
| 4 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,0 | 1,25 | 1,8 | 19,5 | 868 | 1000 | 13,7 | 1000 | 2 |
| 5 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,0 | 1,60 | 1,8 | 21,1 | 1120 | 1000 | 13,7 | 1000 | 2 |
| 6 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,0 | 1,60 | 1,8 | 22,7 | 1240 | 1000 | 13,7 | 1000 | 2 |
| 7 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,0 | 1,60 | 1,8 | 22,7 | 1287 | 1000 | 13,7 | 1000 | 2 |
| 8 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,0 | 1,60 | 1,8 | 24,4 | 1407 | 1000 | 13,7 | 1000 | 2 |
| 10 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,0 | 1,60 | 1,9 | 28,6 | 1709 | 1000 | 13,7 | 1000 | 2 |
| 12 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,0 | 1,60 | 2,0 | 29,8 | 1859 | 1000 | 13,7 | 1000 | 2 |
| 14 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,0 | 2,00 | 2,0 | 31,0 | 2256 | 1000 | 13,7 | 1000 | 2 |
| 16 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,2 | 2,00 | 2,1 | 33,3 | 2501 | 1000 | 13,7 | 1000 | 2 |
| 18 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,2 | 2,00 | 2,2 | 35,0 | 2686 | 1000 | 13,7 | 1000 | 2 |
| 20 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,2 | 2,00 | 2,2 | 36,8 | 2896 | 1000 | 13,7 | 1000 | 2 |
| 22 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,2 | 2,00 | 2,3 | 39,2 | 3123 | 500 | 13,7 | 1000 | 2 |
| 24 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,2 | 2,00 | 2,3 | 41,0 | 3335 | 500 | 13,7 | 1000 | 2 |
| 27 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,2 | 2,50 | 2,4 | 42,3 | 3948 | 500 | 13,7 | 1000 | 2 |
| 36 | 16 | 7 | 0,49 | 1,47 | 0,7 | 2,87 | 1,4 | 2,50 | 2,6 | 47,5 | 4784 | 500 | 13,7 | 1000 | 2 |

**BICC BERCA Cables**
Producing World-Class Quality Cables in Indonesia

# INSTRUMENTATION CABLES - P1.5 mm²

Copper Stranded Conductor, XLPE Insulated(Black, White), Overall Shielded, LSOH Black - 300/500 V

IEC 60502 - 1



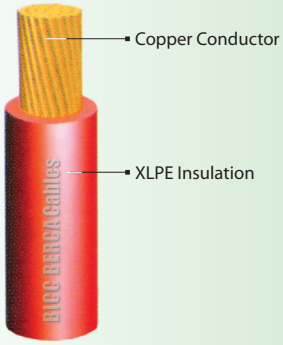
| No. of core | Nom. Cross sect. | min. No. of | dia. of wire | dia. of strand. | Wall thickness | | | Approx. Overall dia. | Approx. Total Weight | Standard Length | DC Conductor Resistance at 20°C | Insulation Resistance min. | AC Voltage Test |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Thick. Insul. nom. | Dia. over Insul. | Thick. Outer-Sheath | | | | | | |
| | mm² | wire | mm | mm | mm | mm | mm | mm | kg/km | m | ohm/km | M.Ω.km | kV/5 min. |
| **Single Pair** | | | | | | | | | | | | | |
| 1 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 1,8 | 10,1 | 128 | 1000 | 12,1 | 1000 | 2 |
| **Multi Pair** | | | | | | | | | | | | | |
| 2 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 1,8 | 11,4 | 182 | 1000 | 12,1 | 1000 | 2 |
| 3 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 1,8 | 16,0 | 269 | 1000 | 12,1 | 1000 | 2 |
| 4 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 1,8 | 17,4 | 324 | 1000 | 12,1 | 1000 | 2 |
| 5 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 1,8 | 19,0 | 381 | 1000 | 12,1 | 1000 | 2 |
| 6 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 1,8 | 20,7 | 439 | 1000 | 12,1 | 1000 | 2 |
| 7 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 1,8 | 20,7 | 480 | 1000 | 12,1 | 1000 | 2 |
| 8 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 1,8 | 22,4 | 537 | 1000 | 12,1 | 1000 | 2 |
| 10 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 1,8 | 26,3 | 658 | 1000 | 12,1 | 1000 | 2 |
| 12 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 1,8 | 27,4 | 751 | 1000 | 12,1 | 1000 | 2 |
| 14 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 1,8 | 28,6 | 848 | 1000 | 12,1 | 1000 | 2 |
| 16 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 1,9 | 30,4 | 956 | 1000 | 12,1 | 1000 | 2 |
| 18 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 1,9 | 32,2 | 1065 | 1000 | 12,1 | 1000 | 2 |
| 20 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 2,0 | 34,0 | 1174 | 1000 | 12,1 | 1000 | 2 |
| 22 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 2,1 | 36,4 | 1295 | 500 | 12,1 | 1000 | 2 |
| 24 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 2,1 | 38,1 | 1407 | 500 | 12,1 | 1000 | 2 |
| 27 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 2,2 | 39,3 | 1550 | 500 | 12,1 | 1000 | 2 |
| 36 | 1,5 | 7 | 0,52 | 1,56 | 0,7 | 2,96 | 2,3 | 44,1 | 2006 | 500 | 12,1 | 1000 | 2 |

**BICC BERCA Cables**
Producing World-Class Quality Cables in Indonesia

# BUILDING WIRE

(Copper Conductor, XLPE Insulated )

Type of Cable : N2XA
Rated Voltage : 0.6/1 kV
Specification : IEC 60502-1
SNI IEC 60502-1
(Other specification are available on request)




## CONSTRUCTION

| No. of Core | Size | Conductor Construction | Conductor No.of Wire | Thickness of Insulation | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|
| - | mm² | - | - | mm | mm | kg/km | m | - |
| 1 | 1,5 | re/rm | 1/7 | 0,7 | 3,4 | 55 | 100 | Coil |
| 1 | 2,5 | re/rm | 1/7 | 0,7 | 3,8 | 70 | 100 | Coil |
| 1 | 4 | re/rm | 1/7 | 0,7 | 4,4 | 90 | 100 | Coil |
| 1 | 6 | re/rm | 1/7 | 0,7 | 4,9 | 115 | 100 | Coil |
| 1 | 10 | re/rm | 1/7 | 0,7 | 5,9 | 165 | 100 | Coil |
| 1 | 16 | rm | 7 | 0,7 | 7,3 | 230 | 1000 | Drum |
| 1 | 25 | rm | 7 | 0,9 | 8,6 | 305 | 1000 | Drum |
| 1 | 35 | rm | 7 | 0,9 | 9,8 | 415 | 1000 | Drum |
| 1 | 50 | rm | 19 | 1,0 | 14,5 | 605 | 1000 | Drum |
| 1 | 70 | rm | 19 | 1,1 | 16,5 | 840 | 1000 | Drum |
| 1 | 95 | rm | 19 | 1,1 | 18,8 | 1150 | 1000 | Drum |
| 1 | 120 | rm | 37 | 1,2 | 20,6 | 1440 | 500 | Drum |
| 1 | 150 | rm | 37 | 1,4 | 22,6 | 1750 | 500 | Drum |
| 1 | 185 | rm | 37 | 1,6 | 24,6 | 2170 | 500 | Drum |
| 1 | 240 | rm | 61 | 1,7 | 28,1 | 2845 | 500 | Drum |
| 1 | 300 | rm | 61 | 1,8 | 30,5 | 3465 | 500 | Drum |
| 1 | 400 | rm | 61 | 2,0 | 34,5 | 4485 | 500 | Drum |
| 1 | 500 | rm | 61 | 2,2 | 38,5 | 5770 | 500 | Drum |

## CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C | | Short Circuit Current at 1 sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | mm² | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min |
| 1 | 1,5 | 12,1 | 2500 | 33 | 40 | 0,21 | 3,5 |
| 1 | 2,5 | 7,41 | 2100 | 40 | 54 | 0,36 | 3,5 |
| 1 | 4 | 4,61 | 1800 | 53 | 73 | 0,57 | 3,5 |
| 1 | 6 | 3,08 | 1500 | 67 | 88 | 0,85 | 3,5 |
| 1 | 10 | 1,83 | 1200 | 91 | 119 | 1,42 | 3,5 |
| 1 | 16 | 1,15 | 1100 | 123 | 157 | 2,27 | 3,5 |
| 1 | 25 | 0,727 | 1100 | 174 | 205 | 3,55 | 3,5 |
| 1 | 35 | 0,524 | 1000 | 202 | 246 | 4,97 | 3,5 |
| 1 | 50 | 0,387 | 900 | 245 | 294 | 7,10 | 3,5 |
| 1 | 70 | 0,268 | 900 | 308 | 358 | 9,94 | 3,5 |
| 1 | 95 | 0,193 | 800 | 379 | 432 | 13,49 | 3,5 |
| 1 | 120 | 0,153 | 800 | 441 | 494 | 17,04 | 3,5 |
| 1 | 150 | 0,124 | 800 | 512 | 555 | 21,30 | 3,5 |
| 1 | 185 | 0,0991 | 800 | 589 | 632 | 26,27 | 3,5 |
| 1 | 240 | 0,0754 | 700 | 698 | 735 | 34,08 | 3,5 |
| 1 | 300 | 0,0601 | 700 | 810 | 838 | 42,60 | 3,5 |
| 1 | 400 | 0,0470 | 700 | 948 | 960 | 56,80 | 3,5 |
| 1 | 500 | 0,0366 | 700 | 1005 | 1097 | 71,00 | 3,5 |

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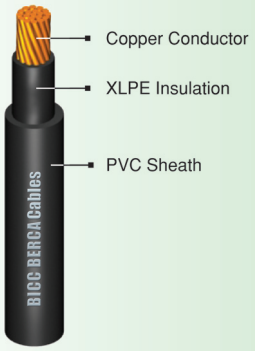
# N2XY 0.6/1 kV Single core




(Copper Conductor, XLPE Insulated and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502-1
SNI IEC 60502-1
SPLN 43-6
(Other specification are available on request)

## CONSTRUCTION

| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | mm² | - | - | mm | mm | mm | kg/km | m | - |
| 1 | 16 | rm | 7 | 0,7 | 1,4 | 10,7 | 230 | 1000 | Drum |
| 1 | 25 | rm | 7 | 0,9 | 1,4 | 12,5 | 340 | 1000 | Drum |
| 1 | 35 | rm | 7 | 0,9 | 1,4 | 13,6 | 445 | 1000 | Drum |
| 1 | 50 | rm | 19 | 1,0 | 1,4 | 15,1 | 575 | 1000 | Drum |
| 1 | 70 | rm | 19 | 1,1 | 1,4 | 17,1 | 795 | 1000 | Drum |
| 1 | 95 | rm | 19 | 1,1 | 1,6 | 19,0 | 1065 | 1000 | Drum |
| 1 | 120 | rm | 37 | 1,2 | 1,6 | 20,8 | 1315 | 1000 | Drum |
| 1 | 150 | rm | 37 | 1,4 | 1,6 | 22,8 | 1605 | 500 | Drum |
| 1 | 185 | rm | 37 | 1,6 | 1,6 | 25,0 | 1985 | 500 | Drum |
| 1 | 240 | rm | 61 | 1,7 | 1,8 | 27,9 | 2565 | 500 | Drum |
| 1 | 300 | rm | 61 | 1,8 | 1,8 | 30,5 | 3170 | 500 | Drum |
| 1 | 400 | rm | 61 | 2,0 | 2,0 | 33,9 | 4010 | 500 | Drum |
| 1 | 500 | rm | 61 | 2,2 | 2,2 | 37,4 | 5015 | 500 | Drum |

## CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | mm² | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min |
| 1 | 16 | 1,15 | 1100 | 169 | 132 | 2,27 | 3,5 |
| 1 | 25 | 0,727 | 1100 | 220 | 187 | 3,55 | 3,5 |
| 1 | 35 | 0,524 | 1000 | 265 | 217 | 4,97 | 3,5 |
| 1 | 50 | 0,387 | 900 | 316 | 263 | 7,10 | 3,5 |
| 1 | 70 | 0,268 | 900 | 385 | 331 | 9,94 | 3,5 |
| 1 | 95 | 0,193 | 800 | 465 | 408 | 13,49 | 3,5 |
| 1 | 120 | 0,153 | 800 | 531 | 474 | 17,04 | 3,5 |
| 1 | 150 | 0,124 | 800 | 597 | 550 | 21,30 | 3,5 |
| 1 | 185 | 0,0991 | 800 | 680 | 633 | 26,27 | 3,5 |
| 1 | 240 | 0,0754 | 700 | 790 | 750 | 34,08 | 3,5 |
| 1 | 300 | 0,0601 | 700 | 901 | 871 | 42,60 | 3,5 |
| 1 | 400 | 0,0470 | 700 | 1032 | 1019 | 56,80 | 3,5 |
| 1 | 500 | 0,0366 | 700 | 1180 | 1088 | 71,00 | 3,5 |

**BICC BERCA Cables**
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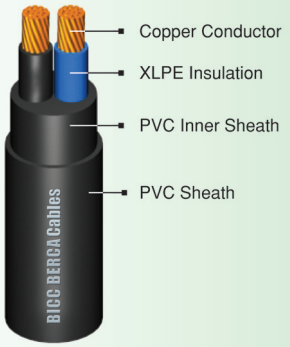
# N2XY 0.6/1 kV 2 Cores




(Copper Conductor, XLPE Insulated and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502 - 1
SNI IEC 60502 - 1
SPLN 43-6
(Other specification are available on request)

## CONSTRUCTION

| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | mm² | - | - | mm | mm | mm | kg/km | m | - |
| 2 | 1,5 | re / rm | 1/7 | 0,7 | 1,8 | 12,8 | 185 | 1000 | Drum |
| 2 | 2,5 | re / rm | 1/7 | 0,7 | 1,8 | 13,6 | 220 | 1000 | Drum |
| 2 | 4 | re / rm | 1/7 | 0,7 | 1,8 | 14,8 | 280 | 1000 | Drum |
| 2 | 6 | re / rm | 1/7 | 0,7 | 1,8 | 15,8 | 340 | 1000 | Drum |
| 2 | 10 | re / rm | 1/7 | 0,7 | 1,8 | 17,8 | 475 | 1000 | Drum |
| 2 | 16 | rm | 7 | 0,7 | 1,8 | 19,8 | 640 | 1000 | Drum |
| 2 | 25 | rm | 7 | 0,9 | 1,8 | 23,0 | 930 | 1000 | Drum |
| 2 | 35 | rm | 7 | 0,9 | 1,8 | 25,6 | 1205 | 1000 | Drum |
| 2 | 50 | rm | 19 | 1,0 | 1,8 | 27,0 | 1575 | 1000 | Drum |
| 2 | 70 | rm | 19 | 1,1 | 2,1 | 33,8 | 2215 | 500 | Drum |
| 2 | 95 | rm | 19 | 1,1 | 2,2 | 37,8 | 2918 | 500 | Drum |
| 2 | 120 | rm | 37 | 1,2 | 2,3 | 41,6 | 3600 | 500 | Drum |
| 2 | 150 | rm | 37 | 1,4 | 2,5 | 46,4 | 4455 | 500 | Drum |
| 2 | 185 | rm | 37 | 1,6 | 2,5 | 51,0 | 5490 | 250 | Drum |
| 2 | 240 | rm | 61 | 1,7 | 2,9 | 57,8 | 7135 | 250 | Drum |

## CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | mm² | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min |
| 2 | 1,5 | 12,1 | 2500 | 33 | 27 | 0,21 | 3,5 |
| 2 | 2,5 | 7,41 | 2100 | 44 | 36 | 0,36 | 3,5 |
| 2 | 4 | 4,61 | 1800 | 58 | 48 | 0,57 | 3,5 |
| 2 | 6 | 3,08 | 1500 | 72 | 61 | 0,85 | 3,5 |
| 2 | 10 | 1,83 | 1200 | 97 | 83 | 1,42 | 3,5 |
| 2 | 16 | 1,15 | 1100 | 128 | 113 | 2,27 | 3,5 |
| 2 | 25 | 0,727 | 1100 | 167 | 150 | 3,55 | 3,5 |
| 2 | 35 | 0,524 | 1000 | 201 | 186 | 4,97 | 3,5 |
| 2 | 50 | 0,387 | 900 | 239 | 226 | 7,10 | 3,5 |
| 2 | 70 | 0,268 | 900 | 295 | 290 | 9,94 | 3,5 |
| 2 | 95 | 0,193 | 800 | 355 | 353 | 13,49 | 3,5 |
| 2 | 120 | 0,153 | 800 | 404 | 413 | 17,04 | 3,5 |
| 2 | 150 | 0,124 | 800 | 458 | 468 | 21,30 | 3,5 |
| 2 | 185 | 0,0991 | 800 | 516 | 540 | 26,27 | 3,5 |
| 2 | 240 | 0,0754 | 700 | 600 | 590 | 34,08 | 3,5 |

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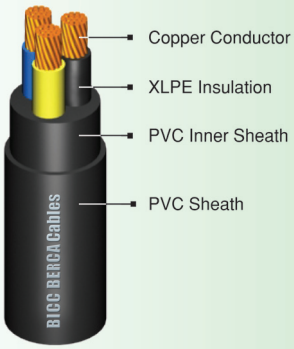
# N2XY 0.6/1 kV 3 Cores

(Copper Conductor, XLPE Insulated and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502 - 1
SNI IEC 60502 - 1
SPLN 43-6
(Other specification are available on request)




## CONSTRUCTION

| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | mm² | - | - | mm | mm | mm | kg/km | m | - |
| 3 | 1,5 | re / rm | 1/7 | 0,7 | 1,8 | 13,1 | 210 | 1000 | Drum |
| 3 | 2,5 | re / rm | 1/7 | 0,7 | 1,8 | 14,2 | 255 | 1000 | Drum |
| 3 | 4 | re / rm | 1/7 | 0,7 | 1,8 | 15,5 | 325 | 1000 | Drum |
| 3 | 6 | re / rm | 1/7 | 0,7 | 1,8 | 16,5 | 410 | 1000 | Drum |
| 3 | 10 | re / rm | 1/7 | 0,7 | 1,8 | 18,6 | 570 | 500 | Drum |
| 3 | 16 | rm | 7 | 0,7 | 1,8 | 22,0 | 790 | 500 | Drum |
| 3 | 25 | rm | 7 | 0,9 | 1,8 | 24,5 | 1170 | 500 | Drum |
| 3 | 35 | rm | 7 | 0,9 | 1,9 | 27,3 | 1540 | 500 | Drum |
| 3 | 50 | sm | 19 | 1,0 | 1,9 | 28,3 | 1755 | 500 | Drum |
| 3 | 70 | sm | 19 | 1,1 | 2,0 | 31,5 | 2400 | 500 | Drum |
| 3 | 95 | sm | 19 | 1,1 | 2,1 | 35,5 | 3240 | 500 | Drum |
| 3 | 120 | sm | 37 | 1,2 | 2,2 | 38,8 | 4015 | 500 | Drum |
| 3 | 150 | sm | 37 | 1,4 | 2,3 | 42,8 | 4935 | 500 | Drum |
| 3 | 185 | sm | 37 | 1,6 | 2,5 | 48,0 | 6160 | 500 | Drum |
| 3 | 240 | sm | 59 | 1,7 | 2,7 | 53,5 | 7950 | 250 | Drum |
| 3 | 300 | sm | 59 | 1,8 | 2,8 | 59,0 | 9915 | 250 | Drum |

## CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | mm² | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min |
| 3 | 1,5 | 12,1 | 2500 | 29 | 21 | 0,21 | 3,5 |
| 3 | 2,5 | 7,41 | 2100 | 38 | 28 | 0,36 | 3,5 |
| 3 | 4 | 4,61 | 1800 | 49 | 37 | 0,57 | 3,5 |
| 3 | 6 | 3,08 | 1500 | 60 | 47 | 0,85 | 3,5 |
| 3 | 10 | 1,83 | 1200 | 97 | 64 | 1,42 | 3,5 |
| 3 | 16 | 1,15 | 1100 | 108 | 86 | 2,27 | 3,5 |
| 3 | 25 | 0,727 | 1100 | 141 | 115 | 3,55 | 3,5 |
| 3 | 35 | 0,524 | 1000 | 170 | 142 | 4,97 | 3,5 |
| 3 | 50 | 0,387 | 900 | 201 | 172 | 7,10 | 3,5 |
| 3 | 70 | 0,268 | 900 | 249 | 218 | 9,94 | 3,5 |
| 3 | 95 | 0,193 | 800 | 299 | 269 | 13,49 | 3,5 |
| 3 | 120 | 0,153 | 800 | 340 | 311 | 17,04 | 3,5 |
| 3 | 150 | 0,124 | 800 | 381 | 356 | 21,30 | 3,5 |
| 3 | 185 | 0,0991 | 800 | 434 | 413 | 26,27 | 3,5 |
| 3 | 240 | 0,0754 | 700 | 506 | 491 | 34,08 | 3,5 |
| 3 | 300 | 0,0601 | 700 | 585 | 569 | 42,60 | 3,5 |

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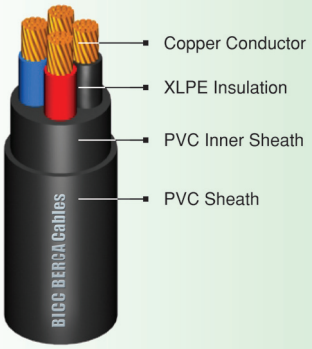
# N2XY 0.6/1 kV 4 Cores

(Copper Conductor, XLPE Insulated and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502-1
SNI IEC 60502-1
SPLN 43-6
(Other specification are available on request)




## CONSTRUCTION

| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | mm² | - | - | mm | mm | mm | kg/km | m | - |
| 4 | 1,5 | re / rm | 1/7 | 0,7 | 1,8 | 14,1 | 240 | 1000 | Drum |
| 4 | 2,5 | re / rm | 1/7 | 0,7 | 1,8 | 15,1 | 295 | 1000 | Drum |
| 4 | 4 | re / rm | 1/7 | 0,7 | 1,8 | 16,6 | 390 | 1000 | Drum |
| 4 | 6 | re / rm | 1/7 | 0,7 | 1,8 | 17,8 | 490 | 1000 | Drum |
| 4 | 10 | re / rm | 1/7 | 0,7 | 1,8 | 20,2 | 710 | 1000 | Drum |
| 4 | 16 | rm | 7 | 0,7 | 1,8 | 22,6 | 995 | 500 | Drum |
| 4 | 25 | rm | 7 | 0,9 | 1,8 | 26,7 | 1480 | 500 | Drum |
| 4 | 35 | rm | 7 | 0,9 | 1,9 | 29,8 | 1955 | 500 | Drum |
| 4 | 50 | sm | 19 | 1,0 | 2,0 | 31,0 | 2250 | 500 | Drum |
| 4 | 70 | sm | 19 | 1,1 | 2,1 | 35,0 | 3150 | 500 | Drum |
| 4 | 95 | sm | 19 | 1,1 | 2,2 | 39,4 | 4220 | 500 | Drum |
| 4 | 120 | sm | 37 | 1,2 | 2,3 | 42,8 | 5240 | 500 | Drum |
| 4 | 150 | sm | 37 | 1,4 | 2,5 | 47,4 | 6485 | 250 | Drum |
| 4 | 185 | sm | 37 | 1,6 | 2,6 | 52,7 | 8065 | 250 | Drum |
| 4 | 240 | sm | 59 | 1,7 | 2,9 | 59,4 | 10495 | 250 | Drum |
| 4 | 300 | sm | 59 | 1,8 | 3,0 | 64,9 | 13000 | 250 | Drum |

## CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | mm² | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min. |
| 4 | 1,5 | 12,1 | 2500 | 29 | 23 | 0,21 | 3,5 |
| 4 | 2,5 | 7,41 | 2100 | 38 | 32 | 0,36 | 3,5 |
| 4 | 4 | 4,61 | 1800 | 49 | 41 | 0,57 | 3,5 |
| 4 | 6 | 3,08 | 1500 | 60 | 52 | 0,85 | 3,5 |
| 4 | 10 | 1,83 | 1200 | 97 | 71 | 1,42 | 3,5 |
| 4 | 16 | 1,15 | 1100 | 108 | 96 | 2,27 | 3,5 |
| 4 | 25 | 0,727 | 1100 | 141 | 130 | 3,55 | 3,5 |
| 4 | 35 | 0,524 | 1000 | 170 | 159 | 4,97 | 3,5 |
| 4 | 50 | 0,387 | 900 | 201 | 193 | 7,10 | 3,5 |
| 4 | 70 | 0,268 | 900 | 249 | 245 | 9,94 | 3,5 |
| 4 | 95 | 0,193 | 800 | 299 | 280 | 13,49 | 3,5 |
| 4 | 120 | 0,153 | 800 | 340 | 329 | 17,04 | 3,5 |
| 4 | 150 | 0,124 | 800 | 381 | 380 | 21,30 | 3,5 |
| 4 | 185 | 0,0991 | 800 | 434 | 424 | 26,27 | 3,5 |
| 4 | 240 | 0,0754 | 700 | 506 | 502 | 34,08 | 3,5 |
| 4 | 300 | 0,0601 | 700 | 585 | 540 | 42,60 | 3,5 |

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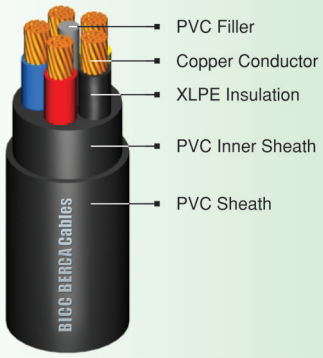
# N2XY 0.6/1 kV 5 Cores

(Copper Conductor, XLPE Insulated and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502-1
SNI IEC 60502-1
SPLN 43-6
(Other specification are available on request)




## CONSTRUCTION

| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | mm² | - | - | mm | mm | mm | kg/km | m | - |
| 5 | 1,5 | re / rm | 1/7 | 0,7 | 1,8 | 15,1 | 270 | 1000 | Drum |
| 5 | 2,5 | re / rm | 1/7 | 0,7 | 1,8 | 16,1 | 340 | 500 | Drum |
| | | | | | | | | | |
| 5 | 4 | re / rm | 1/7 | 0,7 | 1,8 | 17,7 | 450 | 500 | Drum |
| 5 | 6 | re / rm | 1/7 | 0,7 | 1,8 | 19,1 | 575 | 500 | Drum |
| | | | | | | | | | |
| 5 | 10 | re / rm | 1/7 | 0,7 | 1,8 | 21,9 | 840 | 500 | Drum |
| 5 | 16 | rm | 7 | 0,7 | 1,8 | 24,5 | 1185 | 500 | Drum |
| 5 | 25 | rm | 7 | 0,9 | 1,9 | 29,3 | 1790 | 500 | Drum |
| | | | | | | | | | |
| 5 | 35 | rm | 7 | 0,9 | 2,1 | 23,3 | 2420 | 500 | Drum |
| 5 | 50 | rm | 19 | 1,0 | 2,2 | 37,8 | 3180 | 500 | Drum |

## CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | mm² | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min |
| 5 | 1,5 | 12,1 | 2500 | 31 | 23 | 0,21 | 3,5 |
| 5 | 2,5 | 7,41 | 2100 | 41 | 32 | 0,36 | 3,5 |
| 5 | 4 | 4,61 | 1800 | 53 | 41 | 0,57 | 3,5 |
| | | | | | | | |
| 5 | 6 | 3,08 | 1500 | 65 | 52 | 0,85 | 3,5 |
| 5 | 10 | 1,83 | 1200 | 89 | 71 | 1,42 | 3,5 |
| | | | | | | | |
| 5 | 16 | 1,15 | 1100 | 117 | 96 | 2,27 | 3,5 |
| 5 | 25 | 0,727 | 1100 | 153 | 130 | 3,55 | 3,5 |
| 5 | 35 | 0,524 | 1000 | 184 | 159 | 4,97 | 3,5 |
| | | | | | | | |
| 5 | 50 | 0,387 | 900 | 217 | 193 | 7,10 | 3,5 |

**BICC BERCA Cables**
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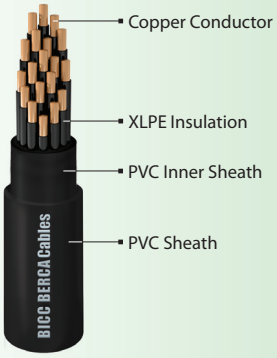
# N2XY 0.6/1 kV Control Cables




(Copper Conductor, XLPE Insulated and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502-1
SNI IEC 60502-1
SPLN 43-6
(Other specification are available on request)

## CONSTRUCTION

| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | $mm^2$ | - | - | mm | mm | mm | kg/km | m | - |
| 6 | 1,5 | re / rm | 1/7 | 0,7 | 1,8 | 15,8 | 300 | 500 | Drum |
| 7 | 1,5 | re / rm | 1/7 | 0,7 | 1,8 | 15,8 | 310 | 500 | Drum |
| 8 | 1,5 | re / rm | 1/7 | 0,7 | 1,8 | 16,7 | 340 | 500 | Drum |
| 10 | 1,5 | re / rm | 1/7 | 0,7 | 1,8 | 18,8 | 405 | 500 | Drum |
| 12 | 1,5 | re / rm | 1/7 | 0,7 | 1,8 | 19,2 | 455 | 500 | Drum |
| 14 | 1,5 | re / rm | 1/7 | 0,7 | 1,8 | 20,0 | 505 | 500 | Drum |
| 16 | 1,5 | re / rm | 1/7 | 0,7 | 1,8 | 20,9 | 555 | 500 | Drum |
| 19 | 1,5 | re / rm | 1/7 | 0,7 | 1,8 | 21,8 | 630 | 500 | Drum |
| 21 | 1,5 | re / rm | 1/7 | 0,7 | 1,8 | 22,6 | 685 | 500 | Drum |
| 24 | 1,5 | re / rm | 1/7 | 0,7 | 1,8 | 24,7 | 770 | 500 | Drum |
| 30 | 1,5 | re / rm | 1/7 | 0,7 | 1,8 | 26,0 | 910 | 500 | Drum |
| 40 | 1,5 | re / rm | 1/7 | 0,7 | 1,8 | 28,6 | 1150 | 500 | Drum |
| 52 | 1,5 | re / rm | 1/7 | 0,7 | 1,8 | 31,2 | 1430 | 500 | Drum |
| 61 | 1,5 | re / rm | 1/7 | 0,7 | 1,8 | 33,7 | 1650 | 500 | Drum |
| 6 | 2,5 | re / rm | 1/7 | 0,7 | 1,8 | 17,0 | 380 | 500 | Drum |
| 7 | 2,5 | re / rm | 1/7 | 0,7 | 1,8 | 17,0 | 395 | 500 | Drum |
| 8 | 2,5 | re / rm | 1/7 | 0,7 | 1,8 | 18,1 | 435 | 500 | Drum |
| 10 | 2,5 | re / rm | 1/7 | 0,7 | 1,8 | 20,4 | 525 | 500 | Drum |
| 12 | 2,5 | re / rm | 1/7 | 0,7 | 1,8 | 21,0 | 595 | 500 | Drum |
| 14 | 2,5 | re / rm | 1/7 | 0,7 | 1,8 | 21,9 | 665 | 500 | Drum |
| 16 | 2,5 | re / rm | 1/7 | 0,7 | 1,8 | 22,8 | 735 | 500 | Drum |
| 19 | 2,5 | re / rm | 1/7 | 0,7 | 1,8 | 23,9 | 840 | 500 | Drum |
| 21 | 2,5 | re / rm | 1/7 | 0,7 | 1,8 | 24,9 | 915 | 500 | Drum |
| 24 | 2,5 | re / rm | 1/7 | 0,7 | 1,8 | 27,3 | 1035 | 500 | Drum |
| 30 | 2,5 | re / rm | 1/7 | 0,7 | 1,8 | 28,7 | 1235 | 500 | Drum |
| 40 | 2,5 | re / rm | 1/7 | 0,7 | 1,8 | 31,7 | 1575 | 500 | Drum |
| 52 | 2,5 | re / rm | 1/7 | 0,7 | 1,8 | 35,0 | 2005 | 500 | Drum |
| 61 | 2,5 | re / rm | 1/7 | 0,7 | 1,8 | 37,9 | 2315 | 500 | Drum |

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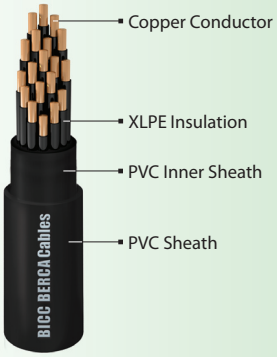
Producing World-Class Quality Cables in Indonesia

# N2XY 0.6/1 kV Control Cables




(Copper Conductor, XLPE Insulated and PVC Sheathed)

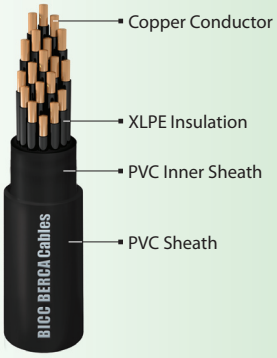
Rated Voltage : 0.6/1 kV
Specification : IEC 60502-1
SNI IEC 60502-1
SPLN 43-6
(Other specification are available on request)

## CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C | | Max. Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | mm² | Ohm/km | M.Ohm/km | Ampere | | kA | kV / 5 min. |
| 6 | 1,5 | 12,1 | 2500 | 17 | 13 | 0,21 | 3,5 |
| 7 | 1,5 | 12,1 | 2500 | 17 | 13 | 0,21 | 3,5 |
| 8 | 1,5 | 12,1 | 2500 | 17 | 13 | 0,21 | 3,5 |
| 10 | 1,5 | 12,1 | 2500 | 15 | 12 | 0,21 | 3,5 |
| 12 | 1,5 | 12,1 | 2500 | 14 | 11 | 0,21 | 3,5 |
| 14 | 1,5 | 12,1 | 2500 | 14 | 11 | 0,21 | 3,5 |
| 16 | 1,5 | 12,1 | 2500 | 13 | 10 | 0,21 | 3,5 |
| 19 | 1,5 | 12,1 | 2500 | 12 | 9 | 0,21 | 3,5 |
| 21 | 1,5 | 12,1 | 2500 | 12 | 9 | 0,21 | 3,5 |
| 24 | 1,5 | 12,1 | 2500 | 11 | 8 | 0,21 | 3,5 |
| 30 | 1,5 | 12,1 | 2500 | 11 | 8 | 0,21 | 3,5 |
| 40 | 1,5 | 12,1 | 2500 | 11 | 8 | 0,21 | 3,5 |
| 52 | 1,5 | 12,1 | 2500 | 11 | 8 | 0,21 | 3,5 |
| 61 | 1,5 | 12,1 | 2500 | 11 | 8 | 0,21 | 3,5 |
| 6 | 2,5 | 7,41 | 2100 | 24 | 18 | 0,36 | 3,5 |
| 7 | 2,5 | 7,41 | 2100 | 24 | 18 | 0,36 | 3,5 |
| 8 | 2,5 | 7,41 | 2100 | 23 | 17 | 0,36 | 3,5 |
| 10 | 2,5 | 7,41 | 2100 | 21 | 16 | 0,36 | 3,5 |
| 12 | 2,5 | 7,41 | 2100 | 19 | 15 | 0,36 | 3,5 |
| 14 | 2,5 | 7,41 | 2100 | 18 | 14 | 0,36 | 3,5 |
| 16 | 2,5 | 7,41 | 2100 | 17 | 13 | 0,36 | 3,5 |
| 19 | 2,5 | 7,41 | 2100 | 17 | 13 | 0,36 | 3,5 |
| 21 | 2,5 | 7,41 | 2100 | 16 | 12 | 0,36 | 3,5 |
| 24 | 2,5 | 7,41 | 2100 | 15 | 11 | 0,36 | 3,5 |
| 30 | 2,5 | 7,41 | 2100 | 15 | 11 | 0,36 | 3,5 |
| 40 | 2,5 | 7,41 | 2100 | 15 | 11 | 0,36 | 3,5 |
| 52 | 2,5 | 7,41 | 2100 | 15 | 11 | 0,36 | 3,5 |
| 61 | 2,5 | 7,41 | 2100 | 15 | 11 | 0,36 | 3,5 |

**BICC BERCA Cables**
Producing World-Class Quality Cables in Indonesia

# N2XY 0.6/1 kV Control Cables




(Copper Conductor, XLPE Insulated and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502-1
SNI IEC 60502-1
SPLN 43-6

(Other specification are available on request)

## CONSTRUCTION

| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | $mm^2$ | - | - | mm | mm | mm | kg/km | m | - |
| 6 | 4 | re / rm | 1/7 | 0,7 | 1,8 | 18,7 | 510 | 500 | Drum |
| 7 | 4 | re / rm | 1/7 | 0,7 | 1,8 | 18,7 | 520 | 500 | Drum |
| 8 | 4 | re / rm | 1/7 | 0,7 | 1,8 | 19,8 | 580 | 500 | Drum |
| 10 | 4 | re / rm | 1/7 | 0,7 | 1,8 | 22,6 | 705 | 500 | Drum |
| 12 | 4 | re / rm | 1/7 | 0,7 | 1,8 | 23,2 | 805 | 500 | Drum |
| 14 | 4 | re / rm | 1/7 | 0,7 | 1,8 | 24,3 | 910 | 500 | Drum |
| 16 | 4 | re / rm | 1/7 | 0,7 | 1,8 | 25,4 | 1015 | 500 | Drum |
| 19 | 4 | re / rm | 1/7 | 0,7 | 1,8 | 26,6 | 1165 | 500 | Drum |
| 21 | 4 | re / rm | 1/7 | 0,7 | 1,8 | 27,7 | 1270 | 500 | Drum |
| 24 | 4 | re / rm | 1/7 | 0,7 | 1,8 | 30,5 | 1440 | 500 | Drum |
| 30 | 4 | re / rm | 1/7 | 0,7 | 1,8 | 32,2 | 1735 | 500 | Drum |
| 40 | 4 | re / rm | 1/7 | 0,7 | 1,8 | 36,0 | 2265 | 500 | Drum |
| 52 | 4 | re / rm | 1/7 | 0,7 | 1,8 | 39,4 | 2860 | 500 | Drum |
| 61 | 4 | re / rm | 1/7 | 0,7 | 1,8 | 42,8 | 3315 | 500 | Drum |
| 6 | 6 | re / rm | 1/7 | 0,7 | 1,8 | 20,4 | 670 | 500 | Drum |
| 7 | 6 | re / rm | 1/7 | 0,7 | 1,8 | 20,4 | 680 | 500 | Drum |
| 8 | 6 | re / rm | 1/7 | 0,7 | 1,8 | 21,7 | 760 | 500 | Drum |
| 10 | 6 | re / rm | 1/7 | 0,7 | 1,8 | 24,9 | 930 | 500 | Drum |
| 12 | 6 | re / rm | 1/7 | 0,7 | 1,8 | 25,6 | 1070 | 500 | Drum |
| 14 | 6 | re / rm | 1/7 | 0,7 | 1,8 | 26,8 | 1215 | 500 | Drum |
| 16 | 6 | re / rm | 1/7 | 0,7 | 1,8 | 28,0 | 1360 | 500 | Drum |
| 19 | 6 | re / rm | 1/7 | 0,7 | 1,8 | 29,4 | 1575 | 500 | Drum |
| 21 | 6 | re / rm | 1/7 | 0,7 | 1,8 | 30,8 | 1724 | 500 | Drum |
| 24 | 6 | re / rm | 1/7 | 0,7 | 1,8 | 34,3 | 1985 | 500 | Drum |
| 30 | 6 | re / rm | 1/7 | 0,7 | 1,8 | 36,2 | 2400 | 500 | Drum |
| 40 | 6 | re / rm | 1/7 | 0,7 | 1,8 | 40,2 | 3110 | 500 | Drum |
| 52 | 6 | re / rm | 1/7 | 0,7 | 1,8 | 44,1 | 3940 | 500 | Drum |
| 61 | 6 | re / rm | 1/7 | 0,7 | 1,8 | 47,9 | 4580 | 500 | Drum |

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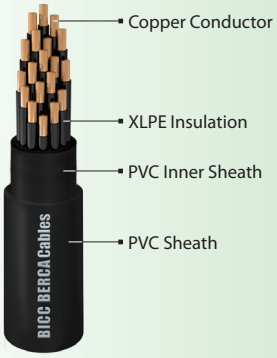
# N2XY 0.6/1 kV Control Cables




(Copper Conductor, XLPE Insulated and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502-1
SNI IEC 60502-1
SPLN 43-6
(Other specification are available on request)

## CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C | | Max. Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | mm² | Ohm/km | M.Ohm/km | Ampere | | kA | kV / 5 min. |
| 6 | 4 | 4,61 | 1800 | 31 | 22 | 0,57 | 3,5 |
| 7 | 4 | 4,61 | 1800 | 31 | 22 | 0,57 | 3,5 |
| 8 | 4 | 4,61 | 1800 | 29 | 21 | 0,57 | 3,5 |
| 10 | 4 | 4,61 | 1800 | 27 | 19 | 0,57 | 3,5 |
| 12 | 4 | 4,61 | 1800 | 25 | 18 | 0,57 | 3,5 |
| 14 | 4 | 4,61 | 1800 | 24 | 17 | 0,57 | 3,5 |
| 16 | 4 | 4,61 | 1800 | 23 | 16 | 0,57 | 3,5 |
| 19 | 4 | 4,61 | 1800 | 21 | 15 | 0,57 | 3,5 |
| 21 | 4 | 4,61 | 1800 | 20 | 14 | 0,57 | 3,5 |
| 24 | 4 | 4,61 | 1800 | 19 | 13 | 0,57 | 3,5 |
| 30 | 4 | 4,61 | 1800 | 19 | 13 | 0,57 | 3,5 |
| 40 | 4 | 4,61 | 1800 | 19 | 13 | 0,57 | 3,5 |
| 52 | 4 | 4,61 | 1800 | 19 | 13 | 0,57 | 3,5 |
| 61 | 4 | 4,61 | 1800 | 19 | 13 | 0,57 | 3,5 |
| 6 | 6 | 3,08 | 1500 | 39 | 30 | 0,85 | 3,5 |
| 7 | 6 | 3,08 | 1500 | 39 | 30 | 0,85 | 3,5 |
| 8 | 6 | 3,08 | 1500 | 37 | 29 | 0,85 | 3,5 |
| 10 | 6 | 3,08 | 1500 | 34 | 27 | 0,85 | 3,5 |
| 12 | 6 | 3,08 | 1500 | 31 | 25 | 0,85 | 3,5 |
| 14 | 6 | 3,08 | 1500 | 29 | 23 | 0,85 | 3,5 |
| 16 | 6 | 3,08 | 1500 | 28 | 22 | 0,85 | 3,5 |
| 19 | 6 | 3,08 | 1500 | 27 | 21 | 0,85 | 3,5 |
| 21 | 6 | 3,08 | 1500 | 26 | 20 | 0,85 | 3,5 |
| 24 | 6 | 3,08 | 1500 | 24 | 19 | 0,85 | 3,5 |
| 30 | 6 | 3,08 | 1500 | 24 | 19 | 0,85 | 3,5 |
| 40 | 6 | 3,08 | 1500 | 24 | 19 | 0,85 | 3,5 |
| 52 | 6 | 3,08 | 1500 | 24 | 19 | 0,85 | 3,5 |
| 61 | 6 | 3,08 | 1500 | 24 | 19 | 0,85 | 3,5 |

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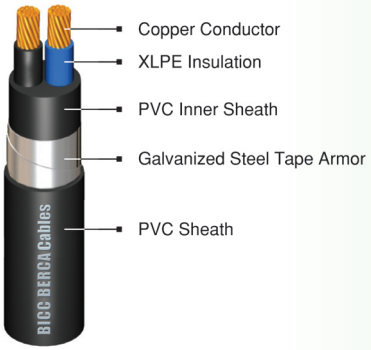
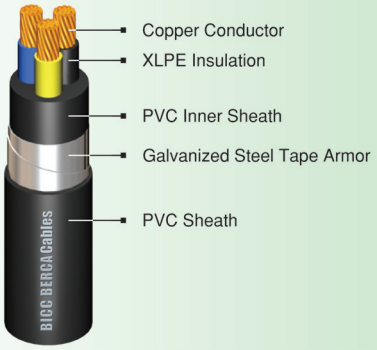
Producing World-Class Quality Cables in Indonesia

## N2XBY 0.6/1 kV 2 - 3 Cores

(Copper Conductor, XLPE Insulated, Double Steel Tape Armoured and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502 - 1
SNI IEC 60502 - 1
(Other specification are available on request)




### CONSTRUCTION

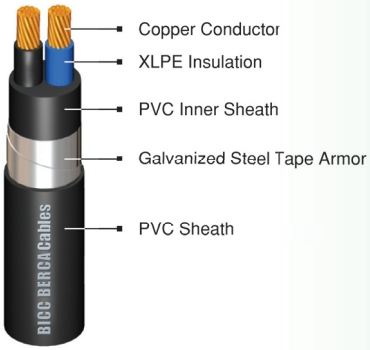
| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | $mm^2$ | - | - | mm | mm | mm | kg/km | m | - |
| 2 | 1.5 | re / rm | 1/7 | 0.7 | 1.8 | 13.6 | 245 | 1000 | Drum |
| 2 | 2.5 | re / rm | 1/7 | 0.7 | 1.8 | 14.4 | 290 | 1000 | Drum |
| 2 | 4 | re / rm | 1/7 | 0.7 | 1.8 | 15.6 | 355 | 1000 | Drum |
| 2 | 6 | re / rm | 1/7 | 0.7 | 1.8 | 16.6 | 420 | 500 | Drum |
| 2 | 10 | re / rm | 1/7 | 0.7 | 1.8 | 18.6 | 565 | 500 | Drum |
| 2 | 16 | rm | 7 | 0.7 | 1.8 | 20.6 | 745 | 500 | Drum |
| 2 | 25 | rm | 7 | 0.9 | 1.8 | 24.0 | 1060 | 500 | Drum |
| 2 | 35 | rm | 7 | 0.9 | 1.8 | 26.4 | 1345 | 500 | Drum |
| 2 | 50 | rm | 7 | 1.0 | 2.0 | 29.6 | 1740 | 500 | Drum |
| 3 | 1.5 | re / rm | 1/7 | 0.7 | 1.8 | 14.0 | 270 | 1000 | Drum |
| 3 | 2.5 | re / rm | 1/7 | 0.7 | 1.8 | 15.0 | 320 | 1000 | Drum |
| 3 | 4 | re / rm | 1/7 | 0.7 | 1.8 | 16.3 | 400 | 500 | Drum |
| 3 | 6 | re / rm | 1/7 | 0.7 | 1.8 | 17.5 | 490 | 500 | Drum |
| 3 | 10 | re / rm | 1/7 | 0.7 | 1.8 | 19.5 | 670 | 500 | Drum |
| 3 | 16 | rm | 7 | 0.7 | 1.8 | 21.7 | 906 | 500 | Drum |
| 3 | 25 | rm | 7 | 0.9 | 1.8 | 25.3 | 1305 | 500 | Drum |
| 3 | 35 | rm | 7 | 0.9 | 1.8 | 28.0 | 1690 | 500 | Drum |
| 3 | 50 | sm | 19 | 1.0 | 1.8 | 28.5 | 1865 | 500 | Drum |
| 3 | 70 | sm | 19 | 1.1 | 1.9 | 31.7 | 2525 | 500 | Drum |
| 3 | 95 | sm | 19 | 1.1 | 2.0 | 35.7 | 3605 | 500 | Drum |
| 3 | 120 | sm | 37 | 1.2 | 2.1 | 38.9 | 4410 | 500 | Drum |
| 3 | 150 | sm | 37 | 1.4 | 2.3 | 43.0 | 5375 | 500 | Drum |
| 3 | 185 | sm | 37 | 1.6 | 2.4 | 48.0 | 6655 | 500 | Drum |
| 3 | 240 | sm | 59 | 1.7 | 2.6 | 53.5 | 8505 | 250 | Drum |
| 3 | 300 | sm | 59 | 1.8 | 2.8 | 59.2 | 10525 | 250 | Drum |

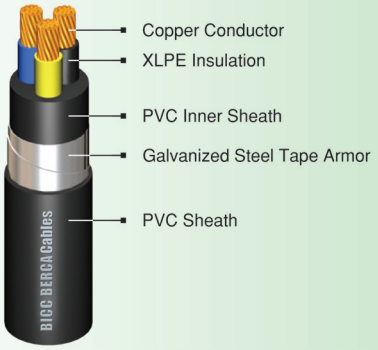
**BICC BERCA Cables**
Producing World-Class Quality Cables in Indonesia

## N2XBY 0.6/1 kV 2 - 3 Cores

(Copper Conductor, XLPE Insulated, Double Steel Tape Armoured and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502 - 1
SNI IEC 60502 - 1
(Other specification are available on request)




### CHARACTERISTICS

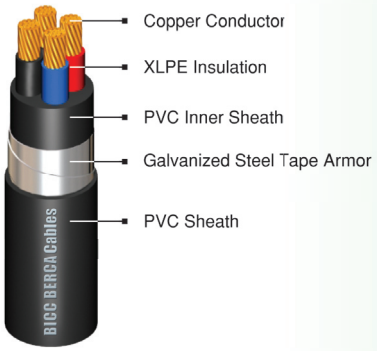
| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | mm² | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min. |
| 2 | 1.5 | 12.1 | 2500 | 33 | 27 | 0.21 | 3.5 |
| 2 | 2.5 | 7.41 | 2100 | 44 | 36 | 0.36 | 3.5 |
| 2 | 4 | 4.61 | 1800 | 58 | 48 | 0.57 | 3.5 |
| 2 | 6 | 3.08 | 1500 | 72 | 61 | 0.85 | 3.5 |
| 2 | 10 | 1.83 | 1200 | 97 | 83 | 1.42 | 3.5 |
| 2 | 16 | 1.15 | 1100 | 128 | 113 | 2.27 | 3.5 |
| 2 | 25 | 0.727 | 1100 | 167 | 150 | 3.55 | 3.5 |
| 2 | 35 | 0.524 | 1000 | 201 | 186 | 4.97 | 3.5 |
| 2 | 50 | 0.387 | 900 | 239 | 226 | 7.10 | 3.5 |
| 3 | 1.5 | 12.1 | 2500 | 29 | 21 | 2.10 | 3.5 |
| 3 | 2.5 | 7.41 | 2100 | 38 | 28 | 0.36 | 3.5 |
| 3 | 4 | 4.61 | 1800 | 49 | 37 | 0.57 | 3.5 |
| 3 | 6 | 3.08 | 1500 | 60 | 47 | 0.85 | 3.5 |
| 3 | 10 | 1.83 | 1200 | 97 | 64 | 1.42 | 3.5 |
| 3 | 16 | 1.15 | 1100 | 108 | 86 | 2.27 | 3.5 |
| 3 | 25 | 0.727 | 1100 | 141 | 115 | 3.55 | 3.5 |
| 3 | 35 | 0.524 | 1000 | 170 | 142 | 4.97 | 3.5 |
| 3 | 50 | 0.387 | 900 | 201 | 172 | 7.10 | 3.5 |
| 3 | 70 | 0.268 | 900 | 249 | 218 | 9.94 | 3.5 |
| 3 | 95 | 0.193 | 800 | 299 | 269 | 13.49 | 3.5 |
| 3 | 120 | 0.153 | 800 | 340 | 311 | 17.04 | 3.5 |
| 3 | 150 | 0.124 | 800 | 381 | 356 | 21.30 | 3.5 |
| 3 | 185 | 0.0991 | 800 | 434 | 413 | 26.27 | 3.5 |
| 3 | 240 | 0.0754 | 700 | 506 | 491 | 34.48 | 3.5 |
| 3 | 300 | 0.0601 | 700 | 585 | 569 | 42.60 | 3.5 |

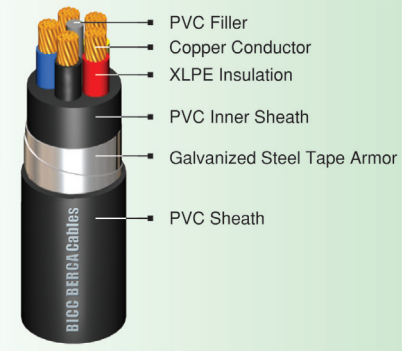
**BICC BERCA Cables**
Producing World-Class Quality Cables in Indonesia

## N2XBY 0.6/1 kV 4 - 5 Cores

(Copper Conductor, XLPE Insulated, Double Steel Tape Armoured and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502 - 1
SNI IEC 60502 - 1
(Other specification are available on request)




### CONSTRUCTION

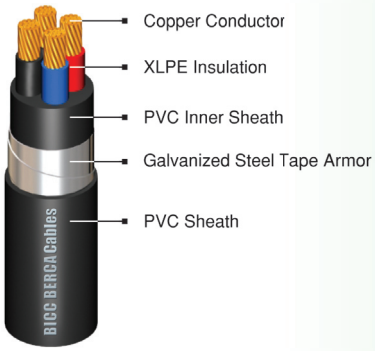
| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | mm² | - | - | mm | mm | mm | kg/km | m | - |
| 4 | 1.5 | re / rm | 1/7 | 0.7 | 1.8 | 14.9 | 310 | 1000 | Drum |
| 4 | 2.5 | re / rm | 1/7 | 0.7 | 1.8 | 15.9 | 370 | 1000 | Drum |
| | | | | | | | | | |
| 4 | 4 | re / rm | 1/7 | 0.7 | 1.8 | 17.4 | 470 | 500 | Drum |
| 4 | 6 | re / rm | 1/7 | 0.7 | 1.8 | 18.6 | 580 | 500 | Drum |
| | | | | | | | | | |
| 4 | 10 | re / rm | 1/7 | 0.7 | 1.8 | 21.0 | 810 | 500 | Drum |
| 4 | 16 | rm | 7 | 0.7 | 1.8 | 23.5 | 1105 | 500 | Drum |
| 4 | 25 | rm | 7 | 0.9 | 1.9 | 27.8 | 1625 | 500 | Drum |
| | | | | | | | | | |
| 4 | 35 | rm | 7 | 0.9 | 2.0 | 30.8 | 2180 | 500 | Drum |
| 4 | 50 | sm | 19 | 1.0 | 2.0 | 31.0 | 2385 | 500 | Drum |
| | | | | | | | | | |
| 4 | 70 | sm | 19 | 1.1 | 2.1 | 35.0 | 3505 | 500 | Drum |
| 4 | 95 | sm | 19 | 1.1 | 2.2 | 39.0 | 4620 | 500 | Drum |
| 4 | 120 | sm | 37 | 1.2 | 2.4 | 42.8 | 5690 | 500 | Drum |
| | | | | | | | | | |
| 4 | 150 | sm | 37 | 1.4 | 2.5 | 47.5 | 6970 | 500 | Drum |
| 4 | 185 | sm | 37 | 1.6 | 2.7 | 52.7 | 8605 | 250 | Drum |
| | | | | | | | | | |
| 4 | 240 | sm | 59 | 1.7 | 2.9 | 59.5 | 11105 | 250 | Drum |
| 4 | 300 | sm | 59 | 1.8 | 3.1 | 65.0 | 13670 | 250 | Drum |
| | | | | | | | | | |
| 5 | 1.5 | re / rm | 1/7 | 0.7 | 1.8 | 15.8 | 350 | 1000 | Drum |
| 5 | 2.5 | re / rm | 1/7 | 0.7 | 1.8 | 16.9 | 425 | 500 | Drum |
| 5 | 4 | re / rm | 1/7 | 0.7 | 1.8 | 18.5 | 545 | 500 | Drum |
| | | | | | | | | | |
| 5 | 6 | re / rm | 1/7 | 0.7 | 1.8 | 19.8 | 680 | 500 | Drum |
| 5 | 10 | re / rm | 1/7 | 0.7 | 1.8 | 22.6 | 955 | 500 | Drum |
| | | | | | | | | | |
| 5 | 16 | rm | 7 | 0.7 | 1.8 | 25.3 | 1320 | 500 | Drum |
| 5 | 25 | rm | 7 | 0.9 | 2.0 | 30.3 | 1970 | 500 | Drum |
| 5 | 35 | rm | 7 | 0.9 | 2.1 | 34.0 | 2605 | 500 | Drum |
| | | | | | | | | | |
| 5 | 50 | rm | 19 | 1.0 | 2.3 | 40.0 | 3745 | 500 | Drum |

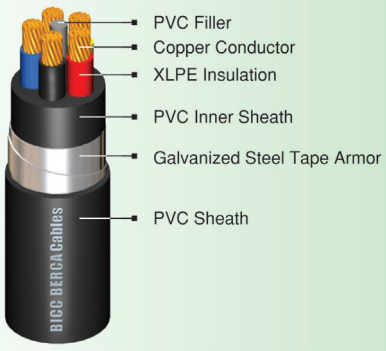
**BICC BERCA Cables**
Producing World-Class Quality Cables in Indonesia

## N2XBY 0.6/1 kV 4 - 5 Cores

(Copper Conductor, XLPE Insulated, Double Steel Tape Armoured and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502 - 1
SNI IEC 60502 - 1
(Other specification are available on request)




### CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | mm² | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min. |
| 4 | 1.5 | 12.1 | 2500 | 29 | 23 | 0.21 | 3.5 |
| 4 | 2.5 | 7.41 | 2100 | 38 | 32 | 0.36 | 3.5 |
| 4 | 4 | 4.61 | 1800 | 49 | 41 | 0.57 | 3.5 |
| 4 | 6 | 3.08 | 1500 | 60 | 52 | 0.85 | 3.5 |
| 4 | 10 | 1.83 | 1200 | 97 | 71 | 1.42 | 3.5 |
| 4 | 16 | 1.15 | 1100 | 108 | 96 | 2.27 | 3.5 |
| 4 | 25 | 0.727 | 1100 | 141 | 130 | 3.55 | 3.5 |
| 4 | 35 | 0.524 | 1000 | 170 | 159 | 4.97 | 3.5 |
| 4 | 50 | 0.387 | 900 | 201 | 193 | 7.10 | 3.5 |
| 4 | 70 | 0.268 | 900 | 249 | 245 | 9.94 | 3.5 |
| 4 | 95 | 0.193 | 800 | 299 | 280 | 13.49 | 3.5 |
| 4 | 120 | 0.153 | 800 | 340 | 329 | 17.04 | 3.5 |
| 4 | 150 | 0.124 | 800 | 381 | 380 | 21.30 | 3.5 |
| 4 | 185 | 0.0991 | 800 | 434 | 424 | 26.27 | 3.5 |
| 4 | 240 | 0.0754 | 700 | 506 | 502 | 34.08 | 3.5 |
| 4 | 300 | 0.0601 | 700 | 585 | 540 | 42.60 | 3.5 |
| 5 | 1.5 | 12.1 | 2500 | 31 | 23 | 0.21 | 3.5 |
| 5 | 2.5 | 7.41 | 2100 | 41 | 32 | 0.36 | 3.5 |
| 5 | 4 | 4.61 | 1800 | 53 | 41 | 0.57 | 3.5 |
| 5 | 6 | 3.08 | 1500 | 65 | 52 | 0.85 | 3.5 |
| 5 | 10 | 1.83 | 1200 | 89 | 71 | 1.42 | 3.5 |
| 5 | 16 | 1.15 | 1100 | 117 | 96 | 2.27 | 3.5 |
| 5 | 25 | 0.727 | 1100 | 153 | 130 | 3.55 | 3.5 |
| 5 | 35 | 0.524 | 1000 | 184 | 159 | 4.97 | 3.5 |
| 5 | 50 | 0.387 | 900 | 217 | 193 | 7.10 | 3.5 |

**BICC BERCA Cables**
Producing World-Class Quality Cables in Indonesia

# N2XBY 0.6/1 kV Control Cables


(Copper Conductor, XLPE Insulated, Double Steel Tape Armoured and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502 - 1
SNI IEC 60502 - 1
(Other specification are available on request)

## CONSTRUCTION

| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | $mm^2$ | - | - | mm | mm | mm | kg/km | m | - |
| 6 | 1.5 | re/rm | 1/7 | 0.7 | 1.8 | 16.6 | 395 | 500 | Drum |
| 7 | 1.5 | re/rm | 1/7 | 0.7 | 1.8 | 16.6 | 400 | 500 | Drum |
| 8 | 1.5 | re/rm | 1/7 | 0.7 | 1.8 | 17.6 | 440 | 500 | Drum |
| 10 | 1.5 | re/rm | 1/7 | 0.7 | 1.8 | 19.8 | 530 | 500 | Drum |
| 12 | 1.5 | re/rm | 1/7 | 0.7 | 1.8 | 20.3 | 570 | 500 | Drum |
| 14 | 1.5 | re/rm | 1/7 | 0.7 | 1.8 | 21.1 | 630 | 500 | Drum |
| 16 | 1.5 | re/rm | 1/7 | 0.7 | 1.8 | 21.8 | 685 | 500 | Drum |
| 19 | 1.5 | re/rm | 1/7 | 0.7 | 1.8 | 22.8 | 750 | 500 | Drum |
| 21 | 1.5 | re/rm | 1/7 | 0.7 | 1.8 | 23.8 | 830 | 500 | Drum |
| 24 | 1.5 | re/rm | 1/7 | 0.7 | 1.8 | 26.2 | 940 | 500 | Drum |
| 30 | 1.5 | re/rm | 1/7 | 0.7 | 1.8 | 28.1 | 1160 | 500 | Drum |
| 40 | 1.5 | re/rm | 1/7 | 0.7 | 1.9 | 31.2 | 1435 | 500 | Drum |
| 52 | 1.5 | re/rm | 1/7 | 0.7 | 2.1 | 35.7 | 1805 | 500 | Drum |
| 61 | 1.5 | re/rm | 1/7 | 0.7 | 2.1 | 37.6 | 2045 | 500 | Drum |

## CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | $mm^2$ | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min |
| 6 | 1.5 | 12.1 | 2500 | 17 | 13 | 0.21 | 3.5 |
| 7 | 1.5 | 12.1 | 2500 | 17 | 13 | 0.21 | 3.5 |
| 8 | 1.5 | 12.1 | 2500 | 17 | 13 | 0.21 | 3.5 |
| 10 | 1.5 | 12.1 | 2500 | 15 | 12 | 0.21 | 3.5 |
| 12 | 1.5 | 12.1 | 2500 | 14 | 11 | 0.21 | 3.5 |
| 14 | 1.5 | 12.1 | 2500 | 14 | 11 | 0.21 | 3.5 |
| 16 | 1.5 | 12.1 | 2500 | 13 | 10 | 0.21 | 3.5 |
| 19 | 1.5 | 12.1 | 2500 | 12 | 9 | 0.21 | 3.5 |
| 21 | 1.5 | 12.1 | 2500 | 12 | 9 | 0.21 | 3.5 |
| 24 | 1.5 | 12.1 | 2500 | 11 | 8 | 0.21 | 3.5 |
| 30 | 1.5 | 12.1 | 2500 | 11 | 8 | 0.21 | 3.5 |
| 40 | 1.5 | 12.1 | 2500 | 11 | 8 | 0.21 | 3.5 |
| 52 | 1.5 | 12.1 | 2500 | 11 | 8 | 0.21 | 3.5 |
| 61 | 1.5 | 12.1 | 2500 | 11 | 8 | 0.21 | 3.5 |

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# N2XBY 0.6/1 kV Control Cables


(Copper Conductor, XLPE Insulated, Double Steel Tape Armoured and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502 - 1
SNI IEC 60502 - 1
(Other specification are available on request)

## CONSTRUCTION

| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | $mm^2$ | - | - | mm | mm | mm | kg/km | m | - |
| 6 | 2.5 | re/rm | 1/7 | 0.7 | 1.8 | 17.8 | 480 | 500 | Drum |
| 7 | 2.5 | re/rm | 1/7 | 0.7 | 1.8 | 17.8 | 495 | 500 | Drum |
| 8 | 2.5 | re/rm | 1/7 | 0.7 | 1.8 | 18.9 | 550 | 500 | Drum |
| 10 | 2.5 | re/rm | 1/7 | 0.7 | 1.8 | 21.4 | 665 | 500 | Drum |
| 12 | 2.5 | re/rm | 1/7 | 0.7 | 1.8 | 22.0 | 720 | 500 | Drum |
| 14 | 2.5 | re/rm | 1/7 | 0.7 | 1.8 | 22.9 | 800 | 500 | Drum |
| 16 | 2.5 | re/rm | 1/7 | 0.7 | 1.8 | 23.7 | 880 | 500 | Drum |
| 19 | 2.5 | re/rm | 1/7 | 0.7 | 1.8 | 24.8 | 970 | 500 | Drum |
| 21 | 2.5 | re/rm | 1/7 | 0.7 | 1.8 | 26.1 | 1085 | 500 | Drum |
| 24 | 2.5 | re/rm | 1/7 | 0.7 | 1.8 | 27.2 | 1345 | 500 | Drum |
| 30 | 2.5 | re/rm | 1/7 | 0.7 | 1.9 | 30.9 | 1520 | 500 | Drum |
| 40 | 2.5 | re/rm | 1/7 | 0.7 | 2.0 | 34.3 | 1840 | 500 | Drum |
| 52 | 2.5 | re/rm | 1/7 | 0.7 | 2.2 | 39.3 | 2390 | 500 | Drum |
| 61 | 2.5 | re/rm | 1/7 | 0.7 | 2.3 | 41.6 | 2750 | 500 | Drum |

## CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | $mm^2$ | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min |
| 6 | 2.5 | 7.41 | 2100 | 24 | 18 | 0.36 | 3.5 |
| 7 | 2.5 | 7.41 | 2100 | 24 | 18 | 0.36 | 3.5 |
| 8 | 2.5 | 7.41 | 2100 | 23 | 17 | 0.36 | 3.5 |
| 10 | 2.5 | 7.41 | 2100 | 21 | 16 | 0.36 | 3.5 |
| 12 | 2.5 | 7.41 | 2100 | 19 | 15 | 0.36 | 3.5 |
| 14 | 2.5 | 7.41 | 2100 | 18 | 14 | 0.36 | 3.5 |
| 16 | 2.5 | 7.41 | 2100 | 17 | 13 | 0.36 | 3.5 |
| 19 | 2.5 | 7.41 | 2100 | 17 | 13 | 0.36 | 3.5 |
| 21 | 2.5 | 7.41 | 2100 | 16 | 12 | 0.36 | 3.5 |
| 24 | 2.5 | 7.41 | 2100 | 15 | 11 | 0.36 | 3.5 |
| 30 | 2.5 | 7.41 | 2100 | 15 | 11 | 0.36 | 3.5 |
| 40 | 2.5 | 7.41 | 2100 | 15 | 11 | 0.36 | 3.5 |
| 52 | 2.5 | 7.41 | 2100 | 15 | 11 | 0.36 | 3.5 |
| 61 | 2.5 | 7.41 | 2100 | 15 | 11 | 0.36 | 3.5 |

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# N2XBY 0.6/1 kV Control Cables


(Copper Conductor, XLPE Insulated, Double Steel Tape Armoured and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502 - 1
SNI IEC 60502 - 1
(Other specification are available on request)

## CONSTRUCTION

| No. of Core | Size | Conductor Construction | Wall Thickness No.of Wire | Approx of Insulation | Approx Sheath | Standard Overall Diameter | Net.Weight | Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| - | mm² | - | - | mm | mm | mm | kg/km | m | - |
| 6 | 4 | re/rm | 1/7 | 0.7 | 1.8 | 19.6 | 625 | 500 | Drum |
| 7 | 4 | re/rm | 1/7 | 0.7 | 1.8 | 19.6 | 650 | 500 | Drum |
| 8 | 4 | re/rm | 1/7 | 0.7 | 1.8 | 20.9 | 720 | 500 | Drum |
| 10 | 4 | re/rm | 1/7 | 0.7 | 1.8 | 23.8 | 880 | 500 | Drum |
| 12 | 4 | re/rm | 1/7 | 0.7 | 1.8 | 24.5 | 965 | 500 | Drum |
| 14 | 4 | re/rm | 1/7 | 0.7 | 1.8 | 25.5 | 1080 | 500 | Drum |
| 16 | 4 | re/rm | 1/7 | 0.7 | 1.8 | 26.7 | 1205 | 500 | Drum |
| 19 | 4 | re/rm | 1/7 | 0.7 | 1.8 | 28.0 | 1345 | 500 | Drum |
| 21 | 4 | re/rm | 1/7 | 0.7 | 1.8 | 29.5 | 1500 | 500 | Drum |
| 24 | 4 | re/rm | 1/7 | 0.7 | 1.8 | 33.0 | 1745 | 500 | Drum |
| 30 | 4 | re/rm | 1/7 | 0.7 | 2.1 | 35.3 | 2140 | 500 | Drum |
| 40 | 4 | re/rm | 1/7 | 0.7 | 2.2 | 40.3 | 2940 | 500 | Drum |
| 52 | 4 | re/rm | 1/7 | 0.7 | 2.4 | 45.1 | 3400 | 500 | Drum |
| 61 | 4 | re/rm | 1/7 | 0.7 | 2.5 | 47.8 | 3930 | 500 | Drum |

## CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | mm² | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min |
| 6 | 4 | 4.61 | 1800 | 31 | 22 | 0.57 | 3.5 |
| 7 | 4 | 4.61 | 1800 | 31 | 22 | 0.57 | 3.5 |
| 8 | 4 | 4.61 | 1800 | 29 | 21 | 0.57 | 3.5 |
| 10 | 4 | 4.61 | 1800 | 27 | 19 | 0.57 | 3.5 |
| 12 | 4 | 4.61 | 1800 | 25 | 18 | 0.57 | 3.5 |
| 14 | 4 | 4.61 | 1800 | 24 | 17 | 0.57 | 3.5 |
| 16 | 4 | 4.61 | 1800 | 23 | 16 | 0.57 | 3.5 |
| 19 | 4 | 4.61 | 1800 | 21 | 15 | 0.57 | 3.5 |
| 21 | 4 | 4.61 | 1800 | 20 | 14 | 0.57 | 3.5 |
| 24 | 4 | 4.61 | 1800 | 19 | 13 | 0.57 | 3.5 |
| 30 | 4 | 4.61 | 1800 | 19 | 13 | 0.57 | 3.5 |
| 40 | 4 | 4.61 | 1800 | 19 | 13 | 0.57 | 3.5 |
| 52 | 4 | 4.61 | 1800 | 19 | 13 | 0.57 | 3.5 |
| 61 | 4 | 4.61 | 1800 | 19 | 13 | 0.57 | 3.5 |

**BICC BERCA Cables**
Producing World-Class Quality Cables in Indonesia

# N2XBY 0.6/1 kV Control Cables


(Copper Conductor, XLPE Insulated, Double Steel Tape Armoured and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502 - 1
SNI IEC 60502 - 1
(Other specification are available on request)

## CONSTRUCTION

| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | $mm^2$ | - | - | mm | mm | mm | kg/km | m | - |
| 6 | 6 | re/rm | 1/7 | 0.7 | 1.8 | 21.1 | 780 | 500 | Drum |
| 7 | 6 | re/rm | 1/7 | 0.7 | 1.8 | 21.1 | 820 | 500 | Drum |
| 8 | 6 | re/rm | 1/7 | 0.7 | 1.8 | 22.5 | 915 | 500 | Drum |
| 10 | 6 | re/rm | 1/7 | 0.7 | 1.8 | 25.8 | 1120 | 500 | Drum |
| 12 | 6 | re/rm | 1/7 | 0.7 | 1.8 | 26.5 | 1240 | 500 | Drum |
| 14 | 6 | re/rm | 1/7 | 0.7 | 1.8 | 27.9 | 1410 | 500 | Drum |
| 16 | 6 | re/rm | 1/7 | 0.7 | 1.8 | 29.3 | 1585 | 500 | Drum |
| 19 | 6 | re/rm | 1/7 | 0.7 | 1.8 | 30.7 | 1775 | 500 | Drum |
| 21 | 6 | re/rm | 1/7 | 0.7 | 1.8 | 32.3 | 1970 | 500 | Drum |
| 24 | 6 | re/rm | 1/7 | 0.7 | 1.8 | 36.2 | 2300 | 500 | Drum |
| 30 | 6 | re/rm | 1/7 | 0.7 | 2.2 | 39.7 | 3060 | 500 | Drum |
| 40 | 6 | re/rm | 1/7 | 0.7 | 2.4 | 44.1 | 3855 | 500 | Drum |
| 52 | 6 | re/rm | 1/7 | 0.7 | 2.5 | 49.5 | 4510 | 500 | Drum |
| 61 | 6 | re/rm | 1/7 | 0.7 | 2.6 | 52.5 | 5245 | 500 | Drum |

## CHARACTERISTICS

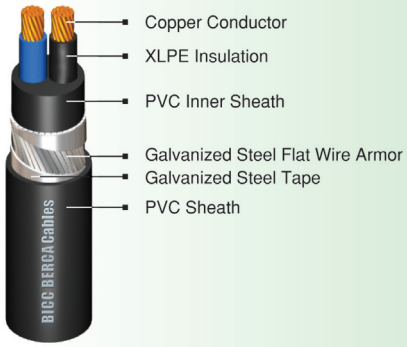
| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | $mm^2$ | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min |
| 6 | 6 | 3.08 | 1500 | 39 | 30 | 0.85 | 3.5 |
| 7 | 6 | 3.08 | 1500 | 39 | 30 | 0.85 | 3.5 |
| 8 | 6 | 3.08 | 1500 | 37 | 29 | 0.85 | 3.5 |
| 10 | 6 | 3.08 | 1500 | 34 | 27 | 0.85 | 3.5 |
| 12 | 6 | 3.08 | 1500 | 31 | 25 | 0.85 | 3.5 |
| 14 | 6 | 3.08 | 1500 | 29 | 23 | 0.85 | 3.5 |
| 16 | 6 | 3.08 | 1500 | 28 | 22 | 0.85 | 3.5 |
| 19 | 6 | 3.08 | 1500 | 27 | 21 | 0.85 | 3.5 |
| 21 | 6 | 3.08 | 1500 | 26 | 20 | 0.85 | 3.5 |
| 24 | 6 | 3.08 | 1500 | 24 | 19 | 0.85 | 3.5 |
| 30 | 6 | 3.08 | 1500 | 24 | 19 | 0.85 | 3.5 |
| 40 | 6 | 3.08 | 1500 | 24 | 19 | 0.85 | 3.5 |
| 52 | 6 | 3.08 | 1500 | 24 | 19 | 0.85 | 3.5 |
| 61 | 6 | 3.08 | 1500 | 24 | 19 | 0.85 | 3.5 |

**BICC BERCA Cables**
Producing World-Class Quality Cables in Indonesia

## N2XFGbY 0.6/1 kV 2 Cores

(Copper Conductor, XLPE Insulated Flat Steel Wire Armoured and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502 - 1
SNI IEC 60502 - 1
SPLN 43-7
(Other specification are available on request)




### CONSTRUCTION

| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | $mm^2$ | - | - | mm | mm | mm | kg/km | m | - |
| 2 | 16 | rm | 7 | 0,7 | 1,8 | 22,0 | 1035 | 500 | Drum |
| 2 | 25 | rm | 7 | 0,9 | 1,8 | 25,4 | 1395 | 500 | Drum |
| 2 | 35 | rm | 7 | 0,9 | 1,9 | 27,8 | 1735 | 500 | Drum |
| 2 | 50 | rm | 19 | 1,0 | 2,0 | 32,6 | 2175 | 500 | Drum |
| 2 | 70 | rm | 19 | 1,1 | 2,2 | 36,8 | 7020 | 500 | Drum |
| 2 | 95 | rm | 19 | 1,1 | 2,2 | 42,2 | 9055 | 500 | Drum |
| 2 | 120 | rm | 37 | 1,2 | 2,2 | 45,5 | 10695 | 500 | Drum |
| 2 | 150 | rm | 37 | 1,4 | 2,2 | 49,7 | 12965 | 250 | Drum |
| 2 | 185 | rm | 37 | 1,6 | 2,5 | 61,0 | 14985 | 250 | Drum |
| 2 | 240 | rm | 61 | 1,7 | 2,5 | 67,6 | 17500 | 250 | Drum |
| 2 | 300 | rm | 61 | 1,8 | 2,7 | 73,2 | 17985 | 250 | Drum |

### CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | $mm^2$ | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min |
| 2 | 16 | 1,15 | 1100 | 128 | 113 | 2,27 | 3,5 |
| 2 | 25 | 0,727 | 1100 | 167 | 150 | 3,55 | 3,5 |
| 2 | 35 | 0,524 | 1000 | 201 | 186 | 4,97 | 3,5 |
| 2 | 50 | 0,387 | 900 | 239 | 226 | 7,10 | 3,5 |
| 2 | 70 | 0,268 | 900 | 295 | 290 | 9,94 | 3,5 |
| 2 | 95 | 0,193 | 800 | 355 | 353 | 13,49 | 3,5 |
| 2 | 120 | 0,153 | 800 | 404 | 413 | 17,04 | 3,5 |
| 2 | 150 | 0,124 | 800 | 458 | 468 | 21,30 | 3,5 |
| 2 | 185 | 0,0991 | 800 | 516 | 540 | 26,27 | 3,5 |
| 2 | 240 | 0,0754 | 700 | 600 | 590 | 34,08 | 3,5 |
| 2 | 300 | 0,0601 | 700 | 695 | 645 | 42,60 | 3,5 |

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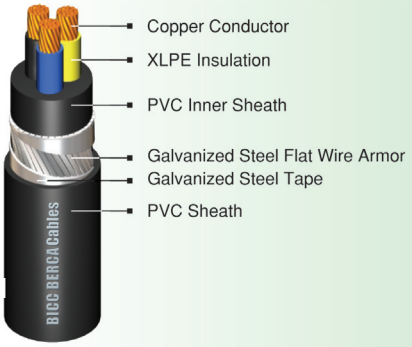
# N2XFGbY 0.6/1 kV 3 Cores

(Copper Conductor, XLPE Insulated Flat Steel Wire Armoured and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502 - 1
SNI IEC 60502 - 1
SPLN 43-7
(Other specification are available on request)




## CONSTRUCTION

| No. of Core | Size | Conductor Construction | Wall Thickness No.of Wire | Approx of Insulation | Approx Sheath | Standard Overall Diameter | Net.Weight | Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| - | $mm^2$ | - | - | mm | mm | mm | kg/km | m | - |
| 3 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 16,5 | 515 | 500 | Drum |
| 3 | 2,5 | re/rm | 1/7 | 0,7 | 1,8 | 16,6 | 535 | 500 | Drum |
| 3 | 4 | re/rm | 1/7 | 0,7 | 1,8 | 17,5 | 600 | 500 | Drum |
| 3 | 6 | re/rm | 1/7 | 0,7 | 1,8 | 18,6 | 710 | 500 | Drum |
| 3 | 10 | re/rm | 1/7 | 0,7 | 1,8 | 20,6 | 935 | 500 | Drum |
| 3 | 16 | rm | 7 | 0,7 | 1,8 | 22,8 | 1190 | 500 | Drum |
| 3 | 25 | rm | 7 | 0,9 | 1,8 | 26,6 | 1660 | 500 | Drum |
| 3 | 35 | rm | 7 | 0,9 | 1,9 | 29,3 | 2090 | 500 | Drum |
| 3 | 50 | sm | 19 | 1,1 | 1,9 | 28,4 | 2210 | 500 | Drum |
| 3 | 70 | sm | 19 | 1,1 | 2,0 | 31,6 | 2910 | 500 | Drum |
| 3 | 95 | sm | 19 | 1,1 | 2,1 | 35,7 | 3825 | 500 | Drum |
| 3 | 120 | sm | 37 | 1,2 | 2,2 | 38,8 | 4650 | 250 | Drum |
| 3 | 150 | sm | 37 | 1,4 | 2,4 | 42,8 | 5650 | 250 | Drum |
| 3 | 185 | sm | 37 | 1,6 | 2,5 | 47,8 | 6860 | 250 | Drum |
| 3 | 240 | sm | 37 | 1,7 | 2,7 | 53,4 | 8845 | 250 | Drum |
| 3 | 300 | sm | 37 | 1,8 | 2,9 | 59,0 | 10905 | 250 | Drum |

## CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | $mm^2$ | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min |
| 3 | 1,5 | 12,1 | 2500 | 29 | 21 | 0,21 | 3,5 |
| 3 | 2,5 | 7,41 | 2100 | 38 | 28 | 0,36 | 3,5 |
| 3 | 4 | 4,61 | 1800 | 49 | 37 | 0,57 | 3,5 |
| 3 | 6 | 3,08 | 1500 | 60 | 47 | 0,85 | 3,5 |
| 3 | 10 | 1,83 | 1200 | 97 | 64 | 1,42 | 3,5 |
| 3 | 16 | 1,15 | 1100 | 108 | 86 | 2,27 | 3,5 |
| 3 | 25 | 0,727 | 1100 | 141 | 115 | 3,55 | 3,5 |
| 3 | 35 | 0,524 | 1000 | 170 | 142 | 4,97 | 3,5 |
| 3 | 50 | 0,387 | 900 | 201 | 172 | 7,10 | 3,5 |
| 3 | 70 | 0,268 | 900 | 249 | 218 | 9,94 | 3,5 |
| 3 | 95 | 0,193 | 800 | 299 | 269 | 13,49 | 3,5 |
| 3 | 120 | 0,153 | 800 | 340 | 311 | 17,04 | 3,5 |
| 3 | 150 | 0,124 | 800 | 381 | 356 | 21,30 | 3,5 |
| 3 | 185 | 0,0991 | 800 | 434 | 413 | 26,27 | 3,5 |
| 3 | 240 | 0,0754 | 700 | 506 | 491 | 34,08 | 3,5 |
| 3 | 300 | 0,0601 | 700 | 585 | 569 | 42,60 | 3,5 |

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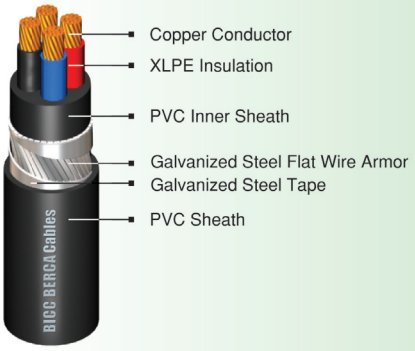
## N2XFGbY 0.6/1 kV 4 Cores

(Copper Conductor, XLPE Insulated Flat Steel Wire Armoured and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502 - 1
SNI IEC 60502 - 1
SPLN 43-7
(Other specification are available on request)




### CONSTRUCTION

| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | mm² | - | - | mm | mm | mm | kg/km | m | - |
| 4 | 10 | rm | 7 | 0,7 | 1,8 | 22,2 | 1100 | 500 | Drum |
| 4 | 16 | rm | 7 | 0,7 | 1,8 | 24,6 | 1440 | 500 | Drum |
| 4 | 25 | rm | 7 | 0,9 | 1,9 | 28,9 | 2030 | 500 | Drum |
| 4 | 35 | rm | 19 | 0,9 | 2,0 | 32,0 | 2570 | 500 | Drum |
| 4 | 50 | sm | 19 | 1,0 | 2,0 | 30,8 | 2725 | 500 | Drum |
| 4 | 70 | sm | 19 | 1,1 | 2,1 | 35,3 | 3710 | 500 | Drum |
| 4 | 95 | sm | 37 | 1,1 | 2,2 | 39,4 | 4855 | 250 | Drum |
| 4 | 120 | sm | 37 | 1,2 | 2,4 | 43,4 | 6005 | 250 | Drum |
| 4 | 150 | sm | 37 | 1,4 | 2,5 | 47,8 | 7270 | 250 | Drum |
| 4 | 185 | sm | 37 | 1,6 | 2,7 | 53,0 | 8950 | 250 | Drum |
| 4 | 240 | sm | 59 | 1,7 | 2,9 | 59,7 | 11480 | 250 | Drum |
| 4 | 300 | sm | 59 | 1,8 | 2,9 | 65,4 | 14190 | 250 | Drum |

### CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | mm² | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min |
| 4 | 10 | 1,83 | 1200 | 97 | 71 | 1,42 | 3,5 |
| 4 | 16 | 1,15 | 1100 | 108 | 96 | 2,27 | 3,5 |
| 4 | 25 | 0,727 | 1100 | 141 | 130 | 3,55 | 3,5 |
| 4 | 35 | 0,524 | 1000 | 170 | 159 | 4,97 | 3,5 |
| 4 | 50 | 0,387 | 900 | 201 | 193 | 7,10 | 3,5 |
| 4 | 70 | 0,268 | 900 | 249 | 245 | 9,94 | 3,5 |
| 4 | 95 | 0,193 | 800 | 299 | 280 | 13,49 | 3,5 |
| 4 | 120 | 0,153 | 800 | 340 | 329 | 17,04 | 3,5 |
| 4 | 150 | 0,124 | 800 | 381 | 380 | 21,30 | 3,5 |
| 4 | 185 | 0,0991 | 800 | 434 | 424 | 26,27 | 3,5 |
| 4 | 240 | 0,0754 | 700 | 506 | 502 | 34,08 | 3,5 |
| 4 | 300 | 0,0601 | 700 | 585 | 540 | 42,60 | 3,5 |

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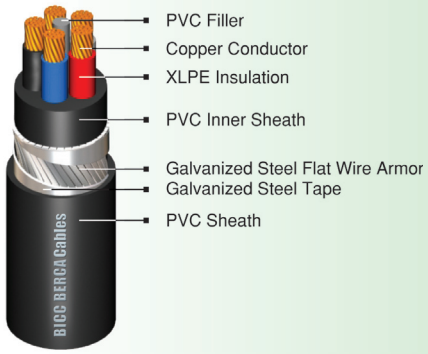
## N2XFGbY 0.6/1 kV 5 Cores

(Copper Conductor, XLPE Insulated Flat Steel Wire Armoured and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502 - 1
SNI IEC 60502 - 1
SPLN 43-7
(Other specification are available on request)




### CONSTRUCTION

| No. of Core | Size | Conductor Construction | Wall Thickness No.of Wire | Approx of Insulation | Approx Sheath | Standard Overall Diameter | Net.Weight | Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| - | $mm^2$ | - | - | mm | mm | mm | kg/km | m | - |
| 5 | 10 | re/rm | 1/7 | 0,7 | 1,8 | 23,0 | 1270 | 500 | Drum |
| 5 | 16 | rm/cm | 7 | 0,7 | 1,8 | 26,5 | 1680 | 500 | Drum |
| | | | | | | | | | |
| 5 | 25 | rm/cm | 7 | 0,9 | 2,0 | 31,5 | 2395 | 500 | Drum |
| 5 | 35 | rm/cm | 7 | 0,9 | 2,1 | 35,5 | 3100 | 500 | Drum |
| | | | | | | | | | |
| 5 | 50 | rm/cm | 19 | 1,0 | 2,1 | 41,2 | 4950 | 500 | Drum |

### CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | $mm^2$ | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min |
| 5 | 10 | 1,83 | 1200 | 89 | 71 | 1,42 | 3,5 |
| 5 | 16 | 1,15 | 1100 | 117 | 96 | 2,27 | 3,5 |
| | | | | | | | |
| 5 | 25 | 0,727 | 1100 | 153 | 130 | 3,55 | 3,5 |
| 5 | 35 | 0,524 | 1000 | 184 | 159 | 4,97 | 3,5 |
| | | | | | | | |
| 5 | 50 | 0,387 | 900 | 217 | 193 | 7,10 | 3,5 |

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# N2XFGbY 0.6/1 kV Control Cables

(Copper Conductor, XLPE Insulated Flat Steel Wire Armoured and PVC Sheathed)


Rated Voltage : 0.6/1 kV
Specification : IEC 60502 - 1
SNI IEC 60502 - 1
SPLN 43-7
VDE 0271
(Other specification are available on request)

## CONSTRUCTION

| No. of Core | Size | Conductor Construction | Wall Thickness No.of Wire | Approx of Insulation | Approx Sheath | Standard Overall Diameter | Net.Weight | Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| - | mm² | - | - | mm | mm | mm | kg/km | m | - |
| 6 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 18,0 | 620 | 500 | Drum |
| 7 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 18,0 | 630 | 500 | Drum |
| 8 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 20,3 | 790 | 500 | Drum |
| 10 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 21,2 | 810 | 500 | Drum |
| 12 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 21,7 | 860 | 500 | Drum |
| 14 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 22,5 | 920 | 500 | Drum |
| 16 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 23,4 | 1005 | 500 | Drum |
| 19 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 24,4 | 1095 | 500 | Drum |
| 21 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 25,4 | 1175 | 500 | Drum |
| 24 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 27,8 | 1335 | 500 | Drum |
| 30 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 29,1 | 1485 | 500 | Drum |
| 40 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 32,2 | 1795 | 500 | Drum |
| 52 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 36,5 | 2205 | 500 | Drum |
| 61 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 38,4 | 2460 | 500 | Drum |

## CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | mm² | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min |
| 6 | 1,5 | 12,1 | 2500 | 19 | 15 | 0,21 | 3,5 |
| 7 | 1,5 | 12,1 | 2500 | 17 | 13 | 0,21 | 3,5 |
| 8 | 1,5 | 12,1 | 2500 | 17 | 13 | 0,21 | 3,5 |
| 10 | 1,5 | 12,1 | 2500 | 15 | 12 | 0,21 | 3,5 |
| 12 | 1,5 | 12,1 | 2500 | 14 | 11 | 0,21 | 3,5 |
| 14 | 1,5 | 12,1 | 2500 | 14 | 11 | 0,21 | 3,5 |
| 16 | 1,5 | 12,1 | 2500 | 13 | 10 | 0,21 | 3,5 |
| 19 | 1,5 | 12,1 | 2500 | 12 | 9 | 0,21 | 3,5 |
| 21 | 1,5 | 12,1 | 2500 | 12 | 9 | 0,21 | 3,5 |
| 24 | 1,5 | 12,1 | 2500 | 11 | 8 | 0,21 | 3,5 |
| 30 | 1,5 | 12,1 | 2500 | 11 | 8 | 0,21 | 3,5 |
| 40 | 1,5 | 12,1 | 2500 | 11 | 8 | 0,21 | 3,5 |
| 52 | 1,5 | 12,1 | 2500 | 11 | 8 | 0,21 | 3,5 |
| 61 | 1,5 | 12,1 | 2500 | 11 | 8 | 0,21 | 3,5 |

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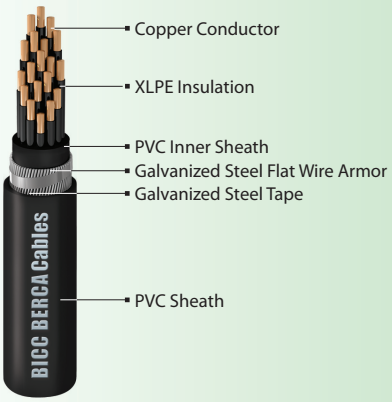
Producing World-Class Quality Cables in Indonesia

# N2XFGbY 0.6/1 kV Control Cables

(Copper Conductor, XLPE Insulated Flat Steel Wire Armoured and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502 - 1
SNI IEC 60502 - 1
SPLN 43-7
VDE 0271
(Other specification are available on request)




## CONSTRUCTION

| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | mm² | - | - | mm | mm | mm | kg/km | m | - |
| 6 | 2,5 | re/rm | 1/7 | 0,7 | 1,8 | 19,2 | 740 | 500 | Drum |
| 7 | 2,5 | re/rm | 1/7 | 0,7 | 1,8 | 19,2 | 750 | 500 | Drum |
| 8 | 2,5 | re/rm | 1/7 | 0,7 | 1,8 | 20,3 | 790 | 500 | Drum |
| 10 | 2,5 | re/rm | 1/7 | 0,7 | 1,8 | 22,8 | 965 | 500 | Drum |
| 12 | 2,5 | re/rm | 1/7 | 0,7 | 1,8 | 23,4 | 1035 | 500 | Drum |
| 14 | 2,5 | re/rm | 1/7 | 0,7 | 1,8 | 24,3 | 1115 | 500 | Drum |
| 16 | 2,5 | re/rm | 1/7 | 0,7 | 1,8 | 25,3 | 1225 | 500 | Drum |
| 19 | 2,5 | re/rm | 1/7 | 0,7 | 1,8 | 26,4 | 1340 | 500 | Drum |
| 21 | 2,5 | re/rm | 1/7 | 0,7 | 1,8 | 27,7 | 1480 | 500 | Drum |
| 24 | 2,5 | re/rm | 1/7 | 0,7 | 1,8 | 30,4 | 1680 | 500 | Drum |
| 30 | 2,5 | re/rm | 1/7 | 0,7 | 1,8 | 31,9 | 1890 | 500 | Drum |
| 40 | 2,5 | re/rm | 1/7 | 0,7 | 1,9 | 35,7 | 2335 | 500 | Drum |
| 52 | 2,5 | re/rm | 1/7 | 0,7 | 2,0 | 40,1 | 2825 | 500 | Drum |
| 61 | 2,5 | re/rm | 1/7 | 0,7 | 2,1 | 42,4 | 3220 | 500 | Drum |

## CHARACTERISTICS

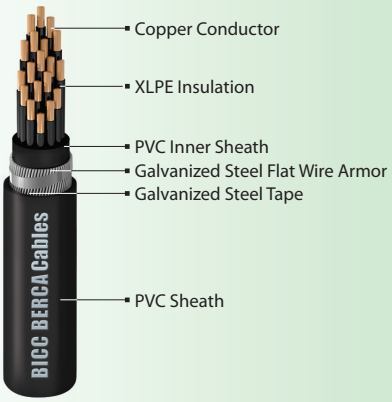
| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | mm² | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min |
| 6 | 2,5 | 7,41 | 2100 | 26 | 20 | 0,36 | 3,5 |
| 7 | 2,5 | 7,41 | 2100 | 24 | 18 | 0,36 | 3,5 |
| 8 | 2,5 | 7,41 | 2100 | 23 | 17 | 0,36 | 3,5 |
| 10 | 2,5 | 7,41 | 2100 | 21 | 16 | 0,36 | 3,5 |
| 12 | 2,5 | 7,41 | 2100 | 19 | 15 | 0,36 | 3,5 |
| 14 | 2,5 | 7,41 | 2100 | 18 | 14 | 0,36 | 3,5 |
| 16 | 2,5 | 7,41 | 2100 | 17 | 13 | 0,36 | 3,5 |
| 19 | 2,5 | 7,41 | 2100 | 17 | 13 | 0,36 | 3,5 |
| 21 | 2,5 | 7,41 | 2100 | 16 | 12 | 0,36 | 3,5 |
| 24 | 2,5 | 7,41 | 2100 | 15 | 11 | 0,36 | 3,5 |
| 30 | 2,5 | 7,41 | 2100 | 15 | 11 | 0,36 | 3,5 |
| 40 | 2,5 | 7,41 | 2100 | 15 | 11 | 0,36 | 3,5 |
| 52 | 2,5 | 7,41 | 2100 | 15 | 11 | 0,36 | 3,5 |
| 61 | 2,5 | 7,41 | 2100 | 15 | 11 | 0,36 | 3,5 |

**BICC BERCA Cables**
Producing World-Class Quality Cables in Indonesia

# N2XFGbY 0.6/1 kV Control Cables

(Copper Conductor, XLPE Insulated Flat Steel Wire Armoured and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502 - 1
SNI IEC 60502 - 1
SPLN 43-7
VDE 0271
(Other specification are available on request)




## CONSTRUCTION

| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | $mm^2$ | - | - | mm | mm | mm | kg/km | m | - |
| 6 | 4 | re/rm | 1/7 | 0,7 | 1,8 | 21,0 | 905 | 500 | Drum |
| 7 | 4 | re/rm | 1/7 | 0,7 | 1,8 | 21,0 | 910 | 500 | Drum |
| 8 | 4 | re/rm | 1/7 | 0,7 | 1,8 | 22,3 | 1005 | 500 | Drum |
| 10 | 4 | re/rm | 1/7 | 0,7 | 1,8 | 25,2 | 1230 | 500 | Drum |
| 12 | 4 | re/rm | 1/7 | 0,7 | 1,8 | 25,9 | 1325 | 500 | Drum |
| 14 | 4 | re/rm | 1/7 | 0,7 | 1,8 | 27,1 | 1450 | 500 | Drum |
| 16 | 4 | re/rm | 1/7 | 0,7 | 1,8 | 28,3 | 1600 | 500 | Drum |
| 19 | 4 | re/rm | 1/7 | 0,7 | 1,8 | 29,6 | 1765 | 500 | Drum |
| 21 | 4 | re/rm | 1/7 | 0,7 | 1,9 | 31,1 | 1940 | 500 | Drum |
| 24 | 4 | re/rm | 1/7 | 0,7 | 1,9 | 34,6 | 2265 | 500 | Drum |
| 30 | 4 | re/rm | 1/7 | 0,7 | 1,9 | 36,5 | 2580 | 500 | Drum |
| 40 | 4 | re/rm | 1/7 | 0,7 | 2,1 | 40,5 | 3190 | 500 | Drum |
| 52 | 4 | re/rm | 1/7 | 0,7 | 2,2 | 45,9 | 3905 | 250 | Drum |
| 61 | 4 | re/rm | 1/7 | 0,7 | 2,3 | 48,6 | 4475 | 250 | Drum |

## CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | $mm^2$ | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min |
| 6 | 4 | 4,61 | 1800 | 32 | 24 | 0,57 | 3,5 |
| 7 | 4 | 4,61 | 1800 | 31 | 22 | 0,57 | 3,5 |
| 8 | 4 | 4,61 | 1800 | 29 | 21 | 0,57 | 3,5 |
| 10 | 4 | 4,61 | 1800 | 27 | 19 | 0,57 | 3,5 |
| 12 | 4 | 4,61 | 1800 | 25 | 18 | 0,57 | 3,5 |
| 14 | 4 | 4,61 | 1800 | 24 | 17 | 0,57 | 3,5 |
| 16 | 4 | 4,61 | 1800 | 23 | 16 | 0,57 | 3,5 |
| 19 | 4 | 4,61 | 1800 | 21 | 15 | 0,57 | 3,5 |
| 21 | 4 | 4,61 | 1800 | 20 | 14 | 0,57 | 3,5 |
| 24 | 4 | 4,61 | 1800 | 19 | 13 | 0,57 | 3,5 |
| 30 | 4 | 4,61 | 1800 | 19 | 13 | 0,57 | 3,5 |
| 40 | 4 | 4,61 | 1800 | 19 | 13 | 0,57 | 3,5 |
| 52 | 4 | 4,61 | 1800 | 19 | 13 | 0,57 | 3,5 |
| 61 | 4 | 4,61 | 1800 | 19 | 13 | 0,57 | 3,5 |

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# N2XFGbY 0.6/1 kV Control Cables

(Copper Conductor, XLPE Insulated Flat Steel Wire Armoured and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502 - 1
SNI IEC 60502 - 1
SPLN 43-7
VDE 0271
(Other specification are available on request)


## CONSTRUCTION

| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | mm² | - | - | mm | mm | mm | kg/km | m | - |
| 6 | 6 | re/rm | 1/7 | 0,7 | 1,8 | 22,5 | 1095 | 500 | Drum |
| 7 | 6 | re/rm | 1/7 | 0,7 | 1,8 | 22,5 | 1105 | 500 | Drum |
| 8 | 6 | re/rm | 1/7 | 0,7 | 1,8 | 23,9 | 1220 | 500 | Drum |
| 10 | 6 | re/rm | 1/7 | 0,7 | 1,8 | 27,4 | 1535 | 500 | Drum |
| 12 | 6 | re/rm | 1/7 | 0,7 | 1,8 | 28,1 | 1635 | 500 | Drum |
| 14 | 6 | re/rm | 1/7 | 0,7 | 1,8 | 29,3 | 1820 | 500 | Drum |
| 16 | 6 | re/rm | 1/7 | 0,7 | 1,8 | 30,9 | 2030 | 500 | Drum |
| 19 | 6 | re/rm | 1/7 | 0,7 | 1,8 | 32,3 | 2245 | 500 | Drum |
| 21 | 6 | re/rm | 1/7 | 0,7 | 1,9 | 33,9 | 2465 | 500 | Drum |
| 24 | 6 | re/rm | 1/7 | 0,7 | 2,0 | 37,8 | 2870 | 500 | Drum |
| 30 | 6 | re/rm | 1/7 | 0,7 | 2,0 | 39,9 | 3300 | 500 | Drum |
| 40 | 6 | re/rm | 1/7 | 0,7 | 2,2 | 44,3 | 4115 | 500 | Drum |
| 52 | 6 | re/rm | 1/7 | 0,7 | 2,3 | 50,3 | 5070 | 250 | Drum |
| 61 | 6 | re/rm | 1/7 | 0,7 | 2,4 | 53,3 | 5865 | 250 | Drum |

## CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | mm² | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min |
| 6 | 6 | 3,08 | 1500 | 41 | 32 | 0,85 | 3,5 |
| 7 | 6 | 3,08 | 1500 | 39 | 30 | 0,85 | 3,5 |
| 8 | 6 | 3,08 | 1500 | 37 | 29 | 0,85 | 3,5 |
| 10 | 6 | 3,08 | 1500 | 34 | 27 | 0,85 | 3,5 |
| 12 | 6 | 3,08 | 1500 | 31 | 25 | 0,85 | 3,5 |
| 14 | 6 | 3,08 | 1500 | 29 | 23 | 0,85 | 3,5 |
| 16 | 6 | 3,08 | 1500 | 28 | 22 | 0,85 | 3,5 |
| 19 | 6 | 3,08 | 1500 | 27 | 21 | 0,85 | 3,5 |
| 21 | 6 | 3,08 | 1500 | 26 | 20 | 0,85 | 3,5 |
| 24 | 6 | 3,08 | 1500 | 24 | 19 | 0,85 | 3,5 |
| 30 | 6 | 3,08 | 1500 | 24 | 19 | 0,85 | 3,5 |
| 40 | 6 | 3,08 | 1500 | 24 | 19 | 0,85 | 3,5 |
| 52 | 6 | 3,08 | 1500 | 24 | 19 | 0,85 | 3,5 |
| 61 | 6 | 3,08 | 1500 | 24 | 19 | 0,85 | 3,5 |

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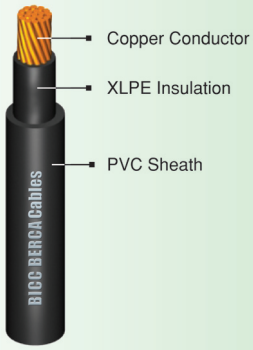
# N2XY 0.6/1 kV Single core

(Copper Conductor, XLPE Insulated and PVC Sheathed)




Rated Voltage : 0.6/1 kV
Specification : IEC 60502 - 1
SNI IEC 60502 - 1
SPLN 43-6
(Other specification are available on request)

## CONSTRUCTION

| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | mm² | - | - | mm | mm | mm | kg/km | m | - |
| 1 | 2,5 | rm | 7 | 0,7 | 1,4 | 7,2 | 72 | 1000 | Drum |
| 1 | 4 | rm | 7 | 0,7 | 1,4 | 7,8 | 92 | 1000 | Drum |
| 1 | 6 | rm | 7 | 0,7 | 1,4 | 8,4 | 115 | 1000 | Drum |
| 1 | 10 | rm | 7 | 0,7 | 1,4 | 9,4 | 162 | 1000 | Drum |
| 1 | 16 | rm | 7 | 0,7 | 1,4 | 10,7 | 230 | 1000 | Drum |
| 1 | 25 | rm | 7 | 0,9 | 1,4 | 12,5 | 340 | 1000 | Drum |
| 1 | 16 | rm | 7 | 0,7 | 1,4 | 10,7 | 230 | 1000 | Drum |
| 1 | 25 | rm | 7 | 0,9 | 1,4 | 12,5 | 340 | 1000 | Drum |
| 1 | 35 | rm | 7 | 0,9 | 1,4 | 13,6 | 445 | 1000 | Drum |
| 1 | 50 | rm | 19 | 1,0 | 1,4 | 15,1 | 575 | 1000 | Drum |
| 1 | 70 | rm | 19 | 1,1 | 1,4 | 17,1 | 795 | 1000 | Drum |
| 1 | 95 | rm | 19 | 1,1 | 1,6 | 19,0 | 1065 | 1000 | Drum |
| 1 | 120 | rm | 37 | 1,2 | 1,6 | 20,8 | 1315 | 1000 | Drum |
| 1 | 150 | rm | 37 | 1,4 | 1,6 | 22,8 | 1605 | 500 | Drum |
| 1 | 185 | rm | 37 | 1,6 | 1,6 | 25,0 | 1985 | 500 | Drum |
| 1 | 240 | rm | 61 | 1,7 | 1,8 | 27,9 | 2565 | 500 | Drum |
| 1 | 300 | rm | 61 | 1,8 | 1,8 | 30,5 | 3170 | 500 | Drum |
| 1 | 400 | rm | 61 | 2,0 | 2,0 | 33,9 | 4010 | 500 | Drum |
| 1 | 500 | rm | 61 | 2,2 | 2,2 | 37,4 | 5015 | 500 | Drum |

## CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | mm² | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min |
| 1 | 16 | 1,15 | 1100 | 169 | 132 | 2,27 | 3,5 |
| 1 | 25 | 0,727 | 1100 | 220 | 187 | 3,55 | 3,5 |
| 1 | 35 | 0,524 | 1000 | 265 | 217 | 4,97 | 3,5 |
| 1 | 50 | 0,387 | 900 | 316 | 263 | 7,10 | 3,5 |
| 1 | 70 | 0,268 | 900 | 385 | 331 | 9,94 | 3,5 |
| 1 | 95 | 0,193 | 800 | 465 | 408 | 13,49 | 3,5 |
| 1 | 120 | 0,153 | 800 | 531 | 474 | 17,04 | 3,5 |
| 1 | 150 | 0,124 | 800 | 597 | 550 | 21,30 | 3,5 |
| 1 | 185 | 0,0991 | 800 | 680 | 633 | 26,27 | 3,5 |
| 1 | 240 | 0,0754 | 700 | 790 | 750 | 34,08 | 3,5 |
| 1 | 300 | 0,0601 | 700 | 901 | 871 | 42,60 | 3,5 |
| 1 | 400 | 0,0470 | 700 | 1032 | 1019 | 56,80 | 3,5 |
| 1 | 500 | 0,0366 | 700 | 1180 | 1088 | 71,00 | 3,5 |

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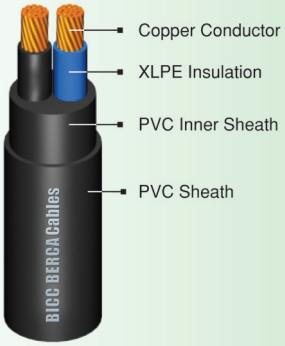
# N2XY 0.6/1 kV 2 Cores




(Copper Conductor, XLPE Insulated and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502 - 1
SNI IEC 60502 - 1
SPLN 43-6
(Other specification are available on request)

## CONSTRUCTION

| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | mm² | - | - | mm | mm | mm | kg/km | m | - |
| 2 | 1,5 | re / rm | 1/7 | 0,7 | 1,8 | 12,8 | 185 | 1000 | Drum |
| 2 | 2,5 | re / rm | 1/7 | 0,7 | 1,8 | 13,6 | 220 | 1000 | Drum |
| 2 | 4 | re / rm | 1/7 | 0,7 | 1,8 | 14,8 | 280 | 1000 | Drum |
| 2 | 6 | re / rm | 1/7 | 0,7 | 1,8 | 15,8 | 340 | 1000 | Drum |
| 2 | 10 | re / rm | 1/7 | 0,7 | 1,8 | 17,8 | 475 | 1000 | Drum |
| 2 | 16 | rm | 7 | 0,7 | 1,8 | 19,8 | 640 | 1000 | Drum |
| 2 | 25 | rm | 7 | 0,9 | 1,8 | 23,0 | 930 | 1000 | Drum |
| 2 | 35 | rm | 7 | 0,9 | 1,8 | 25,6 | 1205 | 1000 | Drum |
| 2 | 50 | rm | 19 | 1,0 | 1,8 | 27,0 | 1575 | 1000 | Drum |
| 2 | 70 | rm | 19 | 1,1 | 2,1 | 33,8 | 2215 | 500 | Drum |
| 2 | 95 | rm | 19 | 1,1 | 2,2 | 37,8 | 2918 | 500 | Drum |
| 2 | 120 | rm | 37 | 1,2 | 2,3 | 41,6 | 3600 | 500 | Drum |
| 2 | 150 | rm | 37 | 1,4 | 2,5 | 46,4 | 4455 | 500 | Drum |
| 2 | 185 | rm | 37 | 1,6 | 2,5 | 51,0 | 5490 | 250 | Drum |
| 2 | 240 | rm | 61 | 1,7 | 2,9 | 57,8 | 7135 | 250 | Drum |

## CHARACTERISTICS

| No. of ore | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | mm² | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min |
| 2 | 1,5 | 12,1 | 2500 | 33 | 27 | 0,21 | 3,5 |
| 2 | 2,5 | 7,41 | 2100 | 44 | 36 | 0,36 | 3,5 |
| 2 | 4 | 4,61 | 1800 | 58 | 48 | 0,57 | 3,5 |
| 2 | 6 | 3,08 | 1500 | 72 | 61 | 0,85 | 3,5 |
| 2 | 10 | 1,83 | 1200 | 97 | 83 | 1,42 | 3,5 |
| 2 | 16 | 1,15 | 1100 | 128 | 113 | 2,27 | 3,5 |
| 2 | 25 | 0,727 | 1100 | 167 | 150 | 3,55 | 3,5 |
| 2 | 35 | 0,524 | 1000 | 201 | 186 | 4,97 | 3,5 |
| 2 | 50 | 0,387 | 900 | 239 | 226 | 7,10 | 3,5 |
| 2 | 70 | 0,268 | 900 | 295 | 290 | 9,94 | 3,5 |
| 2 | 95 | 0,193 | 800 | 355 | 353 | 13,49 | 3,5 |
| 2 | 120 | 0,153 | 800 | 404 | 413 | 17,04 | 3,5 |
| 2 | 150 | 0,124 | 800 | 458 | 468 | 21,30 | 3,5 |
| 2 | 185 | 0,0991 | 800 | 516 | 540 | 26,27 | 3,5 |
| 2 | 240 | 0,0754 | 700 | 600 | 590 | 34,08 | 3,5 |

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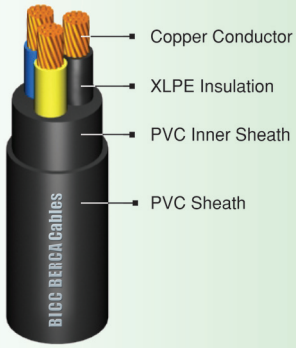
# N2XY 0.6/1 kV 3 Cores

(Copper Conductor, XLPE Insulated and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502 - 1
SNI IEC 60502 - 1
SPLN 43-6
(Other specification are available on request)




## CONSTRUCTION

| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | mm² | - | - | mm | mm | mm | kg/km | m | - |
| 3 | 1,5 | re / rm | 1/7 | 0,7 | 1,8 | 13,1 | 210 | 1000 | Drum |
| 3 | 2,5 | re / rm | 1/7 | 0,7 | 1,8 | 14,2 | 255 | 1000 | Drum |
| 3 | 4 | re / rm | 1/7 | 0,7 | 1,8 | 15,5 | 325 | 1000 | Drum |
| 3 | 6 | re / rm | 1/7 | 0,7 | 1,8 | 16,5 | 410 | 1000 | Drum |
| 3 | 10 | re / rm | 1/7 | 0,7 | 1,8 | 18,6 | 570 | 500 | Drum |
| 3 | 16 | rm | 7 | 0,7 | 1,8 | 22,0 | 790 | 500 | Drum |
| 3 | 25 | rm | 7 | 0,9 | 1,8 | 24,5 | 1170 | 500 | Drum |
| 3 | 35 | rm | 7 | 0,9 | 1,9 | 27,3 | 1540 | 500 | Drum |
| 3 | 50 | sm | 19 | 1,0 | 1,9 | 28,3 | 1755 | 500 | Drum |
| 3 | 70 | sm | 19 | 1,1 | 2,0 | 31,5 | 2400 | 500 | Drum |
| 3 | 95 | sm | 19 | 1,1 | 2,1 | 35,5 | 3240 | 500 | Drum |
| 3 | 120 | sm | 37 | 1,2 | 2,2 | 38,8 | 4015 | 500 | Drum |
| 3 | 150 | sm | 37 | 1,4 | 2,3 | 42,8 | 4935 | 500 | Drum |
| 3 | 185 | sm | 37 | 1,6 | 2,5 | 48,0 | 6160 | 500 | Drum |
| 3 | 240 | sm | 59 | 1,7 | 2,7 | 53,5 | 7950 | 250 | Drum |
| 3 | 300 | sm | 59 | 1,8 | 2,8 | 59,0 | 9915 | 250 | Drum |

## CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | mm² | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min |
| 3 | 1,5 | 12,1 | 2500 | 29 | 21 | 0,21 | 3,5 |
| 3 | 2,5 | 7,41 | 2100 | 38 | 28 | 0,36 | 3,5 |
| 3 | 4 | 4,61 | 1800 | 49 | 37 | 0,57 | 3,5 |
| 3 | 6 | 3,08 | 1500 | 60 | 47 | 0,85 | 3,5 |
| 3 | 10 | 1,83 | 1200 | 97 | 64 | 1,42 | 3,5 |
| 3 | 16 | 1,15 | 1100 | 108 | 86 | 2,27 | 3,5 |
| 3 | 25 | 0,727 | 1100 | 141 | 115 | 3,55 | 3,5 |
| 3 | 35 | 0,524 | 1000 | 170 | 142 | 4,97 | 3,5 |
| 3 | 50 | 0,387 | 900 | 201 | 172 | 7,10 | 3,5 |
| 3 | 70 | 0,268 | 900 | 249 | 218 | 9,94 | 3,5 |
| 3 | 95 | 0,193 | 800 | 299 | 269 | 13,49 | 3,5 |
| 3 | 120 | 0,153 | 800 | 340 | 311 | 17,04 | 3,5 |
| 3 | 150 | 0,124 | 800 | 381 | 356 | 21,30 | 3,5 |
| 3 | 185 | 0,0991 | 800 | 434 | 413 | 26,27 | 3,5 |
| 3 | 240 | 0,0754 | 700 | 506 | 491 | 34,08 | 3,5 |
| 3 | 300 | 0,0601 | 700 | 585 | 569 | 42,60 | 3,5 |

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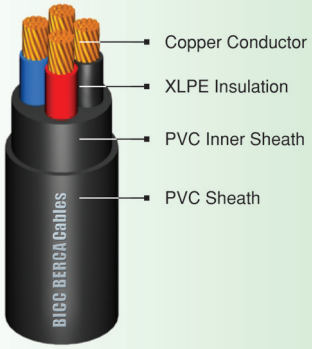
# N2XY 0.6/1 kV 4 Cores




(Copper Conductor, XLPE Insulated and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502 - 1
SNI IEC 60502 - 1
SPLN 43-6
(Other specification are available on request)

## CONSTRUCTION

| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | $mm^2$ | - | - | mm | mm | mm | kg/km | m | - |
| 4 | 1,5 | re / rm | 1/7 | 0,7 | 1,8 | 14,1 | 240 | 1000 | Drum |
| 4 | 2,5 | re / rm | 1/7 | 0,7 | 1,8 | 15,1 | 295 | 1000 | Drum |
| 4 | 4 | re / rm | 1/7 | 0,7 | 1,8 | 16,6 | 390 | 1000 | Drum |
| 4 | 6 | re / rm | 1/7 | 0,7 | 1,8 | 17,8 | 490 | 1000 | Drum |
| 4 | 10 | re / rm | 1/7 | 0,7 | 1,8 | 20,2 | 710 | 1000 | Drum |
| 4 | 16 | rm | 7 | 0,7 | 1,8 | 22,6 | 995 | 500 | Drum |
| 4 | 25 | rm | 7 | 0,9 | 1,8 | 26,7 | 1480 | 500 | Drum |
| 4 | 35 | rm | 7 | 0,9 | 1,9 | 29,8 | 1955 | 500 | Drum |
| 4 | 50 | sm | 19 | 1,0 | 2,0 | 31,0 | 2250 | 500 | Drum |
| 4 | 70 | sm | 19 | 1,1 | 2,1 | 35,0 | 3150 | 500 | Drum |
| 4 | 95 | sm | 19 | 1,1 | 2,2 | 39,4 | 4220 | 500 | Drum |
| 4 | 120 | sm | 37 | 1,2 | 2,3 | 42,8 | 5240 | 500 | Drum |
| 4 | 150 | sm | 37 | 1,4 | 2,5 | 47,4 | 6485 | 250 | Drum |
| 4 | 185 | sm | 37 | 1,6 | 2,6 | 52,7 | 8065 | 250 | Drum |
| 4 | 240 | sm | 59 | 1,7 | 2,9 | 59,4 | 10495 | 250 | Drum |
| 4 | 300 | sm | 59 | 1,8 | 3,0 | 64,9 | 13000 | 250 | Drum |

## CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | $mm^2$ | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min. |
| 4 | 1,5 | 12,1 | 2500 | 29 | 23 | 0,21 | 3,5 |
| 4 | 2,5 | 7,41 | 2100 | 38 | 32 | 0,36 | 3,5 |
| 4 | 4 | 4,61 | 1800 | 49 | 41 | 0,57 | 3,5 |
| 4 | 6 | 3,08 | 1500 | 60 | 52 | 0,85 | 3,5 |
| 4 | 10 | 1,83 | 1200 | 97 | 71 | 1,42 | 3,5 |
| 4 | 16 | 1,15 | 1100 | 108 | 96 | 2,27 | 3,5 |
| 4 | 25 | 0,727 | 1100 | 141 | 130 | 3,55 | 3,5 |
| 4 | 35 | 0,524 | 1000 | 170 | 159 | 4,97 | 3,5 |
| 4 | 50 | 0,387 | 900 | 201 | 193 | 7,10 | 3,5 |
| 4 | 70 | 0,268 | 900 | 249 | 245 | 9,94 | 3,5 |
| 4 | 95 | 0,193 | 800 | 299 | 280 | 13,49 | 3,5 |
| 4 | 120 | 0,153 | 800 | 340 | 329 | 17,04 | 3,5 |
| 4 | 150 | 0,124 | 800 | 381 | 380 | 21,30 | 3,5 |
| 4 | 185 | 0,0991 | 800 | 434 | 424 | 26,27 | 3,5 |
| 4 | 240 | 0,0754 | 700 | 506 | 502 | 34,08 | 3,5 |
| 4 | 300 | 0,0601 | 700 | 585 | 540 | 42,60 | 3,5 |

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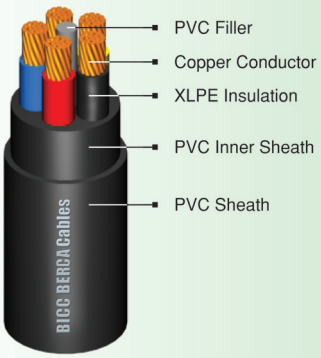
# N2XY 0.6/1 kV 5 Cores




(Copper Conductor, XLPE Insulated and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502 - 1
SNI IEC 60502 - 1
SPLN 43-6
(Other specification are available on request)

## CONSTRUCTION

| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | mm² | - | - | mm | mm | mm | kg/km | m | - |
| 5 | 1,5 | re / rm | 1/7 | 0,7 | 1,8 | 15,1 | 270 | 1000 | Drum |
| 5 | 2,5 | re / rm | 1/7 | 0,7 | 1,8 | 16,1 | 340 | 500 | Drum |
| | | | | | | | | | |
| 5 | 4 | re / rm | 1/7 | 0,7 | 1,8 | 17,7 | 450 | 500 | Drum |
| 5 | 6 | re / rm | 1/7 | 0,7 | 1,8 | 19,1 | 575 | 500 | Drum |
| | | | | | | | | | |
| 5 | 10 | re / rm | 1/7 | 0,7 | 1,8 | 21,9 | 840 | 500 | Drum |
| 5 | 16 | rm | 7 | 0,7 | 1,8 | 24,5 | 1185 | 500 | Drum |
| 5 | 25 | rm | 7 | 0,9 | 1,9 | 29,3 | 1790 | 500 | Drum |
| | | | | | | | | | |
| 5 | 35 | rm | 7 | 0,9 | 2,1 | 23,3 | 2420 | 500 | Drum |
| 5 | 50 | rm | 19 | 1,0 | 2,2 | 37,8 | 3180 | 500 | Drum |

## CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | mm² | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min |
| 5 | 1,5 | 12,1 | 2500 | 31 | 23 | 0,21 | 3,5 |
| 5 | 2,5 | 7,41 | 2100 | 41 | 32 | 0,36 | 3,5 |
| 5 | 4 | 4,61 | 1800 | 53 | 41 | 0,57 | 3,5 |
| | | | | | | | |
| 5 | 6 | 3,08 | 1500 | 65 | 52 | 0,85 | 3,5 |
| 5 | 10 | 1,83 | 1200 | 89 | 71 | 1,42 | 3,5 |
| | | | | | | | |
| 5 | 16 | 1,15 | 1100 | 117 | 96 | 2,27 | 3,5 |
| 5 | 25 | 0,727 | 1100 | 153 | 130 | 3,55 | 3,5 |
| 5 | 35 | 0,524 | 1000 | 184 | 159 | 4,97 | 3,5 |
| | | | | | | | |
| 5 | 50 | 0,387 | 900 | 217 | 193 | 7,10 | 3,5 |

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# XLPE Insulated Armoured Power Cable

(Copper Conductor, XLPE Insulated Round Steel Wire Armoured and PVC Sheathed)

Type of Cable : N2XRGbY
Rated Voltage : 0.6/1 kV

Specification : IEC 60502 - 1
SNI IEC 60502 - 1
SPLN 43-7

(Other specification are available on request)


## CONSTRUCTION

| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | mm² | - | - | mm | mm | mm | kg/km | m | - |
| 2 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 14,8 | 390 | 500 | Drum |
| 2 | 2,5 | re/rm | 1/7 | 0,7 | 1,8 | 15,6 | 445 | 500 | Drum |
| 2 | 4 | re/rm | 1/7 | 0,7 | 1,8 | 16,8 | 525 | 500 | Drum |
| 2 | 6 | re/rm | 1/7 | 0,7 | 1,8 | 17,8 | 605 | 500 | Drum |
| 2 | 10 | re/rm | 1/7 | 0,7 | 1,8 | 19,8 | 780 | 500 | Drum |
| 2 | 16 | rm | 7 | 0,7 | 1,8 | 23,4 | 1270 | 500 | Drum |
| 2 | 25 | rm | 7 | 0,9 | 1,8 | 26,8 | 1690 | 500 | Drum |
| 2 | 35 | rm | 7 | 0,9 | 1,9 | 29,4 | 2065 | 500 | Drum |
| 2 | 50 | rm | 19 | 1,0 | 2,0 | 32,8 | 2545 | 500 | Drum |
| 2 | 70 | rm | 19 | 1,1 | 2,2 | 38,4 | 3595 | 500 | Drum |
| 2 | 95 | rm | 19 | 1,1 | 2,2 | 42,6 | 4485 | 500 | Drum |
| 2 | 120 | rm | 37 | 1,2 | 2,2 | 47,4 | 5715 | 500 | Drum |
| 2 | 150 | rm | 37 | 1,4 | 2,2 | 52,2 | 6830 | 250 | Drum |
| 2 | 185 | rm | 37 | 1,6 | 2,5 | 56,8 | 8090 | 250 | Drum |
| 2 | 240 | rm | 61 | 1,7 | 2,6 | 63,4 | 10050 | 250 | Drum |
| 2 | 300 | rm | 61 | 1,8 | 2,7 | 69,0 | 11995 | 250 | Drum |

## CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | mm² | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min |
| 2 | 1,5 | 12,1 | 2500 | 33 | 27 | 0,21 | 3,5 |
| 2 | 2,5 | 7,41 | 2100 | 44 | 36 | 0,36 | 3,5 |
| 2 | 4 | 4,61 | 1800 | 58 | 48 | 0,57 | 3,5 |
| 2 | 6 | 3,08 | 1500 | 72 | 61 | 0,85 | 3,5 |
| 2 | 10 | 1,83 | 1200 | 97 | 83 | 1,42 | 3,5 |
| 2 | 16 | 1,15 | 1100 | 128 | 113 | 2,27 | 3,5 |
| 2 | 25 | 0,727 | 1100 | 167 | 150 | 3,55 | 3,5 |
| 2 | 35 | 0,524 | 1000 | 201 | 186 | 4,97 | 3,5 |
| 2 | 50 | 0,387 | 900 | 239 | 226 | 7,10 | 3,5 |
| 2 | 70 | 0,268 | 900 | 295 | 290 | 9,94 | 3,5 |
| 2 | 95 | 0,193 | 800 | 355 | 353 | 13,49 | 3,5 |
| 2 | 120 | 0,153 | 800 | 404 | 413 | 17,04 | 3,5 |
| 2 | 150 | 0,124 | 800 | 458 | 468 | 21,30 | 3,5 |
| 2 | 185 | 0,0991 | 800 | 434 | 413 | 26,27 | 3,5 |
| 2 | 240 | 0,0754 | 700 | 600 | 590 | 34,08 | 3,5 |
| 2 | 300 | 0,0601 | 700 | 695 | 645 | 42,60 | 3,5 |

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# XLPE Insulated Armoured Power Cable

(Copper Conductor, XLPE Insulated Round Steel Wire Armoured and PVC Sheathed)

Type of Cable : N2XRGbY Specification : IEC 60502 - 1
Rated Voltage : 0.6/1 kV SNI IEC 60502 - 1
SPLN 43-7

(Other specification are available on request)


## CONSTRUCTION

| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | mm² | - | - | mm | mm | mm | kg/km | m | - |
| 3 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 15,3 | 420 | 500 | Drum |
| 3 | 2,5 | re/rm | 1/7 | 0,7 | 1,8 | 16,2 | 485 | 500 | Drum |
| 3 | 4 | re/rm | 1/7 | 0,7 | 1,8 | 17,5 | 585 | 500 | Drum |
| 3 | 6 | re/rm | 1/7 | 0,7 | 1,8 | 18,5 | 685 | 500 | Drum |
| 3 | 10 | re/rm | 1/7 | 0,7 | 1,8 | 20,7 | 900 | 500 | Drum |
| 3 | 16 | rm | 7 | 0,7 | 1,8 | 24,4 | 1460 | 500 | Drum |
| 3 | 25 | rm | 7 | 0,9 | 1,8 | 28,3 | 1990 | 500 | Drum |
| 3 | 35 | rm | 7 | 0,9 | 1,9 | 31,1 | 2455 | 500 | Drum |
| 3 | 50 | rm/sm | 19 | 1,0 | 1,9 | 35,5 | 3285 | 500 | Drum |
| 3 | 70 | rm/sm | 19 | 1,1 | 2,0 | 40,6 | 4310 | 500 | Drum |
| 3 | 95 | rm/sm | 19 | 1,1 | 2,1 | 46,1 | 5850 | 500 | Drum |
| 3 | 120 | rm/sm | 37 | 1,2 | 2,2 | 50,6 | 7005 | 250 | Drum |
| 3 | 150 | rm/sm | 37 | 1,4 | 2,4 | 55,3 | 8335 | 250 | Drum |
| 3 | 185 | rm/sm | 37 | 1,6 | 2,5 | 60,9 | 10035 | 250 | Drum |
| 3 | 240 | rm/sm | 61 | 1,7 | 2,7 | 67,5 | 12450 | 250 | Drum |
| 3 | 300 | rm/sm | 61 | 1,8 | 2,9 | 74,8 | 15755 | 250 | Drum |

## CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | mm² | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min |
| 3 | 1,5 | 12,1 | 2500 | 29 | 21 | 0,21 | 3,5 |
| 3 | 2,5 | 7,41 | 2100 | 38 | 28 | 0,36 | 3,5 |
| 3 | 4 | 4,61 | 1800 | 49 | 37 | 0,57 | 3,5 |
| 3 | 6 | 3,08 | 1500 | 60 | 47 | 0,85 | 3,5 |
| 3 | 10 | 1,83 | 1200 | 97 | 64 | 1,42 | 3,5 |
| 3 | 16 | 1,15 | 1100 | 108 | 86 | 2,27 | 3,5 |
| 3 | 25 | 0,727 | 1100 | 141 | 115 | 3,55 | 3,5 |
| 3 | 35 | 0,524 | 1000 | 170 | 142 | 4,97 | 3,5 |
| 3 | 50 | 0,387 | 900 | 201 | 172 | 7,10 | 3,5 |
| 3 | 70 | 0,268 | 900 | 249 | 218 | 9,94 | 3,5 |
| 3 | 95 | 0,193 | 800 | 299 | 269 | 13,49 | 3,5 |
| 3 | 120 | 0,153 | 800 | 340 | 311 | 17,04 | 3,5 |
| 3 | 150 | 0,124 | 800 | 381 | 356 | 21,30 | 3,5 |
| 3 | 185 | 0,0991 | 800 | 434 | 413 | 26,27 | 3,5 |
| 3 | 240 | 0,0754 | 700 | 506 | 491 | 34,08 | 3,5 |
| 3 | 300 | 0,0601 | 700 | 585 | 569 | 42,60 | 3,5 |

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# XLPE Insulated Armoured Power Cable

(Copper Conductor, XLPE Insulated Round Steel Wire Armoured and PVC

Type of Cable : N2XRGbY Specification : IEC 60502 - 1
SNI IEC 60502 - 1
SPLN 43-7

Rated Voltage : 0.6/1 kV
(Other specification are available on request)


## CONSTRUCTION

| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | mm² | - | - | mm | mm | mm | kg/km | m | - |
| 4 | 1,5 | rm | 1/7 | 0,7 | 1,8 | 16,1 | 475 | 500 | Drum |
| 4 | 2,5 | rm | 1/7 | 0,7 | 1,8 | 17,1 | 545 | 500 | Drum |
| 4 | 4 | rm | 1/7 | 0,7 | 1,8 | 18,5 | 665 | 500 | Drum |
| 4 | 6 | rm | 1/7 | 0,7 | 1,8 | 19,7 | 790 | 500 | Drum |
| 4 | 10 | rm | 1/7 | 0,7 | 1,8 | 23,8 | 1350 | 500 | Drum |
| 4 | 16 | rm | 7 | 0,7 | 1,8 | 26,2 | 1720 | 500 | Drum |
| 4 | 25 | rm/sm | 7 | 0,9 | 1,9 | 30,7 | 2375 | 500 | Drum |
| 4 | 35 | rm/sm | 7 | 0,9 | 2,0 | 34,6 | 3190 | 500 | Drum |
| 4 | 50 | rm/sm | 19 | 1,0 | 2,0 | 39,0 | 4000 | 500 | Drum |
| 4 | 70 | rm/sm | 19 | 1,1 | 2,1 | 44,2 | 5255 | 500 | Drum |
| 4 | 95 | rm/sm | 19 | 1,1 | 2,2 | 50,6 | 7155 | 250 | Drum |
| 4 | 120 | rm/sm | 37 | 1,2 | 2,4 | 55,4 | 8605 | 250 | Drum |
| 4 | 150 | rm/sm | 37 | 1,4 | 2,5 | 61,0 | 10285 | 250 | Drum |
| 4 | 185 | rm/sm | 37 | 1,6 | 2,7 | 66,5 | 12345 | 250 | Drum |
| 4 | 240 | rm/sm | 61 | 1,7 | 2,9 | 75,4 | 16280 | 250 | Drum |
| 4 | 300 | rm/sm | 61 | 1,8 | 2,9 | 83,1 | 19745 | 250 | Drum |

## CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | mm² | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min |
| 4 | 1,5 | 12,1 | 2500 | 29 | 23 | 0,21 | 3,5 |
| 4 | 2,5 | 7,41 | 2100 | 38 | 32 | 0,36 | 3,5 |
| 4 | 4 | 4,61 | 1800 | 49 | 41 | 0,57 | 3,5 |
| 4 | 6 | 3,08 | 1500 | 60 | 52 | 0,85 | 3,5 |
| 4 | 10 | 1,83 | 1200 | 97 | 71 | 1,42 | 3,5 |
| 4 | 16 | 1,15 | 1100 | 108 | 96 | 2,27 | 3,5 |
| 4 | 25 | 0,727 | 1100 | 141 | 130 | 3,55 | 3,5 |
| 4 | 35 | 0,524 | 1000 | 170 | 159 | 4,97 | 3,5 |
| 4 | 50 | 0,387 | 900 | 201 | 193 | 7,10 | 3,5 |
| 4 | 70 | 0,268 | 900 | 249 | 245 | 9,94 | 3,5 |
| 4 | 95 | 0,193 | 800 | 299 | 280 | 13,49 | 3,5 |
| 4 | 120 | 0,153 | 800 | 340 | 329 | 17,04 | 3,5 |
| 4 | 150 | 0,124 | 800 | 381 | 380 | 21,30 | 3,5 |
| 4 | 185 | 0,0991 | 800 | 434 | 424 | 26,27 | 3,5 |
| 4 | 240 | 0,0754 | 700 | 506 | 502 | 34,08 | 3,5 |
| 4 | 300 | 0,0601 | 700 | 585 | 540 | 42,60 | 3,5 |

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# XLPE Insulated Armoured Power Cable

(Copper Conductor, XLPE Insulated Round Steel Wire Armoured and PVC Sheathed)

Type of Cable : N2XRGbY
Rated Voltage : 0.6/1 kV

Specification : IEC 60502 - 1
SNI IEC 60502 - 1
SPLN 43-7

(Other specification are available on request)


## CONSTRUCTION

| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | mm² | - | - | mm | mm | mm | kg/km | m | - |
| 5 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 17,0 | 525 | 500 | Drum |
| 5 | 2,5 | re/rm | 1/7 | 0,7 | 1,8 | 18,1 | 615 | 500 | Drum |
| | | | | | | | | | |
| 5 | 4 | re/rm | 1/7 | 0,7 | 1,8 | 19,7 | 755 | 500 | Drum |
| 5 | 6 | re/rm | 1/7 | 0,7 | 1,8 | 21,1 | 910 | 500 | Drum |
| | | | | | | | | | |
| 5 | 10 | re/rm | 1/7 | 0,7 | 1,8 | 25,4 | 1540 | 500 | Drum |
| 5 | 16 | re/rm | 7 | 0,7 | 1,8 | 28,3 | 2010 | 500 | Drum |
| 5 | 25 | rm | 7 | 0,9 | 2,0 | 32,5 | 2475 | 500 | Drum |
| | | | | | | | | | |
| 5 | 35 | rm | 7 | 0,9 | 2,1 | 37,9 | 3775 | 500 | Drum |

## CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | mm² | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min |
| 5 | 1,5 | 12,1 | 2500 | 31 | 23 | 0,21 | 3,5 |
| 5 | 2,5 | 7,41 | 2100 | 41 | 32 | 0,36 | 3,5 |
| | | | | | | | |
| 5 | 4 | 4,61 | 1800 | 53 | 41 | 0,57 | 3,5 |
| 5 | 6 | 3,08 | 1500 | 65 | 52 | 0,85 | 3,5 |
| | | | | | | | |
| 5 | 10 | 1,83 | 1200 | 89 | 71 | 1,42 | 3,5 |
| 5 | 16 | 1,15 | 1100 | 117 | 96 | 2,27 | 3,5 |
| 5 | 25 | 0,727 | 1100 | 153 | 130 | 3,55 | 3,5 |
| | | | | | | | |
| 5 | 35 | 0,524 | 1000 | 184 | 159 | 4,97 | 3,5 |

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# N2XRGbY 0.6/1 kV Control Cables

(Copper Conductor, XLPE Insulated Round Steel Wire Armoured and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502 - 1
SNI IEC 60502 - 1
SPLN 43-7
VDE 0271
(Other specification are available on request)


## CONSTRUCTION

| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | mm² | - | - | mm | mm | mm | kg/km | m | - |
| 6 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 18,0 | 585 | 500 | Drum |
| 7 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 18,0 | 595 | 500 | Drum |
| 8 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 19,0 | 645 | 500 | Drum |
| 10 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 21,2 | 765 | 500 | Drum |
| 12 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 23,3 | 1100 | 500 | Drum |
| 14 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 24,1 | 1185 | 500 | Drum |
| 16 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 25,0 | 1260 | 500 | Drum |
| 19 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 26,0 | 1360 | 500 | Drum |
| 21 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 27,2 | 1465 | 500 | Drum |
| 24 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 29,4 | 1650 | 500 | Drum |
| 30 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 30,9 | 1830 | 500 | Drum |
| 40 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 34,8 | 2420 | 500 | Drum |
| 52 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 38,9 | 2845 | 500 | Drum |
| 61 | 1,5 | re/rm | 1/7 | 0,7 | 1,8 | 41,0 | 3180 | 500 | Drum |

## CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | mm² | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min |
| 6 | 1,5 | 12,1 | 2500 | 20 | 15 | 0,21 | 3,5 |
| 7 | 1,5 | 12,1 | 2500 | 17 | 13 | 0,21 | 3,5 |
| 8 | 1,5 | 12,1 | 2500 | 17 | 13 | 0,21 | 3,5 |
| 10 | 1,5 | 12,1 | 2500 | 15 | 12 | 0,21 | 3,5 |
| 12 | 1,5 | 12,1 | 2500 | 14 | 11 | 0,21 | 3,5 |
| 14 | 1,5 | 12,1 | 2500 | 14 | 11 | 0,21 | 3,5 |
| 16 | 1,5 | 12,1 | 2500 | 13 | 10 | 0,21 | 3,5 |
| 19 | 1,5 | 12,1 | 2500 | 12 | 9 | 0,21 | 3,5 |
| 21 | 1,5 | 12,1 | 2500 | 12 | 9 | 0,21 | 3,5 |
| 24 | 1,5 | 12,1 | 2500 | 11 | 8 | 0,21 | 3,5 |
| 30 | 1,5 | 12,1 | 2500 | 11 | 8 | 0,21 | 3,5 |
| 40 | 1,5 | 12,1 | 2500 | 11 | 8 | 0,21 | 3,5 |
| 52 | 1,5 | 12,1 | 2500 | 11 | 8 | 0,21 | 3,5 |
| 61 | 1,5 | 12,1 | 2500 | 11 | 8 | 0,21 | 3,5 |

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# N2XRGbY 0.6/1 kV Control Cables

(Copper Conductor, XLPE Insulated Round Steel Wire Armoured and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502 - 1
SNI IEC 60502 - 1
SPLN 43-7
VDE 0271
(Other specification are available on request)


## CONSTRUCTION

| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | $mm^2$ | - | - | mm | mm | mm | kg/km | m | - |
| 6 | 2,5 | re/rm | 1/7 | 0,7 | 1,8 | 19,2 | 690 | 500 | Drum |
| 7 | 2,5 | re/rm | 1/7 | 0,7 | 1,8 | 19,2 | 705 | 500 | Drum |
| 8 | 2,5 | re/rm | 1/7 | 0,7 | 1,8 | 20,3 | 770 | 500 | Drum |
| 10 | 2,5 | re/rm | 1/7 | 0,7 | 1,8 | 24,4 | 1220 | 500 | Drum |
| 12 | 2,5 | re/rm | 1/7 | 0,7 | 1,8 | 25,0 | 1295 | 500 | Drum |
| 14 | 2,5 | re/rm | 1/7 | 0,7 | 1,8 | 25,9 | 1400 | 500 | Drum |
| 16 | 2,5 | re/rm | 1/7 | 0,7 | 1,8 | 27,1 | 1515 | 500 | Drum |
| 19 | 2,5 | re/rm | 1/7 | 0,7 | 1,8 | 28,2 | 1655 | 500 | Drum |
| 21 | 2,5 | re/rm | 1/7 | 0,7 | 1,8 | 29,3 | 1765 | 500 | Drum |
| 24 | 2,5 | re/rm | 1/7 | 0,7 | 1,8 | 32,0 | 2010 | 500 | Drum |
| 30 | 2,5 | re/rm | 1/7 | 0,7 | 1,9 | 34,5 | 2485 | 500 | Drum |
| 40 | 2,5 | re/rm | 1/7 | 0,7 | 2,0 | 38,3 | 3030 | 500 | Drum |
| 52 | 2,5 | re/rm | 1/7 | 0,7 | 2,1 | 42,7 | 3545 | 500 | Drum |
| 61 | 2,5 | re/rm | 1/7 | 0,7 | 2,2 | 44,8 | 3985 | 500 | Drum |

## CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | $mm^2$ | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min |
| 6 | 2,5 | 7,41 | 2100 | 26 | 20 | 0,36 | 3,5 |
| 7 | 2,5 | 7,41 | 2100 | 24 | 18 | 0,36 | 3,5 |
| 8 | 2,5 | 7,41 | 2100 | 23 | 17 | 0,36 | 3,5 |
| 10 | 2,5 | 7,41 | 2100 | 21 | 16 | 0,36 | 3,5 |
| 12 | 2,5 | 7,41 | 2100 | 19 | 15 | 0,36 | 3,5 |
| 14 | 2,5 | 7,41 | 2100 | 18 | 14 | 0,36 | 3,5 |
| 16 | 2,5 | 7,41 | 2100 | 17 | 13 | 0,36 | 3,5 |
| 19 | 2,5 | 7,41 | 2100 | 17 | 13 | 0,36 | 3,5 |
| 21 | 2,5 | 7,41 | 2100 | 16 | 12 | 0,36 | 3,5 |
| 24 | 2,5 | 7,41 | 2100 | 15 | 11 | 0,36 | 3,5 |
| 30 | 2,5 | 7,41 | 2100 | 15 | 11 | 0,36 | 3,5 |
| 40 | 2,5 | 7,41 | 2100 | 15 | 11 | 0,36 | 3,5 |
| 52 | 2,5 | 7,41 | 2100 | 15 | 11 | 0,36 | 3,5 |
| 61 | 2,5 | 7,41 | 2100 | 15 | 11 | 0,36 | 3,5 |

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# N2XRGbY 0.6/1 kV Control Cables

(Copper Conductor, XLPE Insulated Round
Steel Wire Armoured and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502 - 1
SNI IEC 60502 - 1
SPLN 43-7
VDE 0271
(Other specification are available on request)


## CONSTRUCTION

| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | mm² | - | - | mm | mm | mm | kg/km | m | - |
| 6 | 4 | re/rm | 1/7 | 0,7 | 1,8 | 21,0 | 855 | 500 | Drum |
| 7 | 4 | re/rm | 1/7 | 0,7 | 1,8 | 21,0 | 880 | 500 | Drum |
| 8 | 4 | re/rm | 1/7 | 0,7 | 1,8 | 23,9 | 1265 | 500 | Drum |
| 10 | 4 | re/rm | 1/7 | 0,7 | 1,8 | 26,8 | 1510 | 500 | Drum |
| 12 | 4 | re/rm | 1/7 | 0,7 | 1,8 | 27,7 | 1625 | 500 | Drum |
| 14 | 4 | re/rm | 1/7 | 0,7 | 1,8 | 28,7 | 1765 | 500 | Drum |
| 16 | 4 | re/rm | 1/7 | 0,7 | 1,8 | 30,1 | 1945 | 500 | Drum |
| 19 | 4 | re/rm | 1/7 | 0,7 | 1,8 | 31,4 | 2125 | 500 | Drum |
| 21 | 4 | re/rm | 1/7 | 0,7 | 1,9 | 32,7 | 2285 | 500 | Drum |
| 24 | 4 | re/rm | 1/7 | 0,7 | 1,9 | 37,2 | 2895 | 500 | Drum |
| 30 | 4 | re/rm | 1/7 | 0,7 | 2,0 | 38,9 | 3255 | 500 | Drum |
| 40 | 4 | re/rm | 1/7 | 0,7 | 2,1 | 43,1 | 3965 | 500 | Drum |
| 52 | 4 | re/rm | 1/7 | 0,7 | 2,3 | 49,5 | 5155 | 250 | Drum |
| 61 | 4 | re/rm | 1/7 | 0,7 | 2,4 | 52,2 | 5810 | 250 | Drum |

## CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | mm² | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min |
| 6 | 4 | 4,61 | 1800 | 33 | 24 | 0,57 | 3,5 |
| 7 | 4 | 4,61 | 1800 | 31 | 22 | 0,57 | 3,5 |
| 8 | 4 | 4,61 | 1800 | 29 | 21 | 0,57 | 3,5 |
| 10 | 4 | 4,61 | 1800 | 27 | 19 | 0,57 | 3,5 |
| 12 | 4 | 4,61 | 1800 | 25 | 18 | 0,57 | 3,5 |
| 14 | 4 | 4,61 | 1800 | 24 | 17 | 0,57 | 3,5 |
| 16 | 4 | 4,61 | 1800 | 23 | 16 | 0,57 | 3,5 |
| 19 | 4 | 4,61 | 1800 | 21 | 15 | 0,57 | 3,5 |
| 21 | 4 | 4,61 | 1800 | 20 | 14 | 0,57 | 3,5 |
| 24 | 4 | 4,61 | 1800 | 19 | 13 | 0,57 | 3,5 |
| 30 | 4 | 4,61 | 1800 | 19 | 13 | 0,57 | 3,5 |
| 40 | 4 | 4,61 | 1800 | 19 | 13 | 0,57 | 3,5 |
| 52 | 4 | 4,61 | 1800 | 19 | 13 | 0,57 | 3,5 |
| 61 | 4 | 4,61 | 1800 | 19 | 13 | 0,57 | 3,5 |

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# N2XRGbY 0.6/1 kV Control Cables

(Copper Conductor, XLPE Insulated Round Steel Wire Armoured and PVC Sheathed)

Rated Voltage : 0.6/1 kV
Specification : IEC 60502 - 1
SNI IEC 60502 - 1
SPLN 43-7
VDE 0271
(Other specification are available on request)


## CONSTRUCTION

| No. of Core | Size | Conductor | | Wall Thickness | | Approx Overall Diameter | Approx Net.Weight | Standard Length | Packing |
|---|---|---|---|---|---|---|---|---|---|
| | | Construction | No.of Wire | of Insulation | Sheath | | | | |
| - | $mm^2$ | - | - | mm | mm | mm | kg/km | m | - |
| 6 | 6 | re/rm | 1/7 | 0,7 | 1,8 | 24,1 | 1340 | 500 | Drum |
| 7 | 6 | re/rm | 1/7 | 0,7 | 1,8 | 24,1 | 1380 | 500 | Drum |
| 8 | 6 | re/rm | 1/7 | 0,7 | 1,8 | 25,5 | 1500 | 500 | Drum |
| 10 | 6 | re/rm | 1/7 | 0,7 | 1,8 | 29,0 | 1825 | 500 | Drum |
| 12 | 6 | re/rm | 1/7 | 0,7 | 1,8 | 29,7 | 1960 | 500 | Drum |
| 14 | 6 | re/rm | 1/7 | 0,7 | 1,8 | 31,1 | 2175 | 500 | Drum |
| 16 | 6 | re/rm | 1/7 | 0,7 | 1,9 | 32,5 | 2370 | 500 | Drum |
| 19 | 6 | re/rm | 1/7 | 0,7 | 1,9 | 34,9 | 2870 | 500 | Drum |
| 21 | 6 | re/rm | 1/7 | 0,7 | 1,9 | 36,5 | 3090 | 500 | Drum |
| 24 | 6 | re/rm | 1/7 | 0,7 | 2,1 | 40,4 | 3575 | 500 | Drum |
| 30 | 6 | re/rm | 1/7 | 0,7 | 2,1 | 42,5 | 4070 | 500 | Drum |
| 40 | 6 | re/rm | 1/7 | 0,7 | 2,3 | 47,9 | 5380 | 250 | Drum |
| 52 | 6 | re/rm | 1/7 | 0,7 | 2,5 | 53,9 | 6430 | 250 | Drum |
| 61 | 6 | re/rm | 1/7 | 0,7 | 2,5 | 56,9 | 7325 | 250 | Drum |

## CHARACTERISTICS

| No. of Core | Size | Resistance at 20 °C | | Current Carrying Capacity at 30 °C* | | Short Circuit Current at 1 Sec. | AC Voltage Test |
|---|---|---|---|---|---|---|---|
| | | Conductor | Insulation | In Ground | In Air | | |
| - | $mm^2$ | Ohm/km | M.Ohm.km | Ampere | Ampere | kA | kV / 5 min |
| 6 | 6 | 3,08 | 1500 | 41 | 40 | 0,85 | 3,5 |
| 7 | 6 | 3,08 | 1500 | 39 | 30 | 0,85 | 3,5 |
| 8 | 6 | 3,08 | 1500 | 37 | 29 | 0,85 | 3,5 |
| 10 | 6 | 3,08 | 1500 | 34 | 27 | 0,85 | 3,5 |
| 12 | 6 | 3,08 | 1500 | 31 | 25 | 0,85 | 3,5 |
| 14 | 6 | 3,08 | 1500 | 29 | 23 | 0,85 | 3,5 |
| 16 | 6 | 3,08 | 1500 | 28 | 22 | 0,85 | 3,5 |
| 19 | 6 | 3,08 | 1500 | 27 | 21 | 0,85 | 3,5 |
| 21 | 6 | 3,08 | 1500 | 26 | 20 | 0,85 | 3,5 |
| 24 | 6 | 3,08 | 1500 | 24 | 19 | 0,85 | 3,5 |
| 30 | 6 | 3,08 | 1500 | 24 | 19 | 0,85 | 3,5 |
| 40 | 6 | 3,08 | 1500 | 24 | 19 | 0,85 | 3,5 |
| 52 | 6 | 3,08 | 1500 | 24 | 19 | 0,85 | 3,5 |
| 61 | 6 | 3,08 | 1500 | 24 | 19 | 0,85 | 3,5 |