

3M Science.
Applied to Life.™

3M Electrical Markets Division

Reliability. Safety. Efficiency.

3M™ Cold Shrink QT-III Indoor and Outdoor Terminations

High-performance medium voltage terminations based on field-proven cold shrink technology, pioneered by 3M.



Your trusted medium voltage power connection for reliable and efficient energy delivery

Introduced by 3M over 40 years ago, cold shrink technology is engineered for easy installation and long-term performance in the field.

Our cold shrink terminations offer a reliable sealing solution for medium and high voltage applications, and are simple to install even in confined work areas – helping you save time and money.



It's time to

3M™ Cold Shrink QT-III Terminations

Reliable

- Robust and high-performance design
- Simpler installation helps reduce craft errors
- Integrated design helps ensure installation consistency
- Living seal ensures constant radial pressure
- Meets or exceeds IEEE 48, Cenelec 0278, IEC 502 and GB
- UV resistant, hydrophobic and track-resistant
- Factory-tested material

Efficient

- Helps minimize installation time in enclosed or contaminated environments
- Helps improve outage repair and installation time through intuitive and user-friendly products
- Step core design ensures easy and simple installation and wide application range
- Compact configuration with High-K stress control tube
- Built-in High-K stress controlling compound
- Built-in environmental top sealing compound
- Designed to last the life of the cable
- No tools, torches or other heat sources required

"3M has always provided excellent customer service. And of the thousands of terminations made, 3M stands the test of time."

Alan Hege
Salem Electric Co Inc.



T&D THORNE &
DERRICK UK

Tel: +44 (0)191 490 1547
Fax: +44 (0)191 477 5371
Email: northernsales@thorneandderrick.co.uk
Website: www.cablejoints.co.uk
www.thorneandderrick.co.uk



unwind.

3M Customer Service
800-245-3573
3M.com/electricalconstruction

3M Construction Services

Keep your project on track. On time. And on budget.

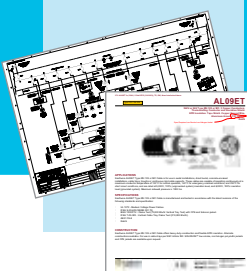
We understand that no two projects are created alike. That's why we offer free electrical construction services for industrial and commercial projects. Based on your documentation, we will create a detailed MV termination take-off to meet the requirements of your jobsite. We will build and label a custom kit, including lugs and other hardware, and we'll ship it directly to your jobsite. What's more, we provide onsite installation support, training and ongoing technical support — **all at no additional cost to you.**

"Due to superior quality and outstanding customer service I always insist on the use of 3M products."

Shannon Savoy
*Chief Inspector at
Tulsa Inspection
Resources*

Custom solutions for the way you work. From start to finish.

Customer's Information



3M Support



3M Takeoff



3M Custom Kits & Custom Labels



The right products in the right place at the right time.

Contents

Shearbolt Lugs & Accessories

Two-Hole Shearbolt Lugs	5
Shearbolt Holding Tools	5

Single Core Termination Kits

	Indoor	6
For use with Compression Lugs	Outdoor	7
	Inverted	8
	With Top Insulator	8
	Indoor	9
For use with Shearbolt Lugs	Outdoor	10
	Inverted	11
	With Top Insulator	11

Three Core Termination Kits

	Overview	12 – 13
	Cabinet Mount	12 – 15
Indoor	With Ground Wires	16 – 17
	Without Ground Wires	18 – 19
Outdoor	With and without Ground Wires	20 – 21
Inverted	With and without Ground Wires	22 – 23

"We also used the QCI Series Shearbolt Connectors on the 500kcmil conductors, and these saved a lot of time and trouble compared to wrestling with hydraulic crimp tools up in the bucket."

Mike Johnston
Senior Electrical Engineer
KP Engineering

"3M is without question the leader in Cold Shrink Splicing and Terminating. We have installed thousands of them on our projects, always with excellent results!"

Thomas Fox
Hunt Electric Corporation

"As seasoned Medium Voltage Technicians, we have been installing 3M Cold Shrink Splices and Terminations for over 30 years with excellent results."

Ralph Patterson
Power Products & Solutions

"We like using 3M kits overall because of their simplicity and the directions are very easy to understand. Their step by step instructions take you through the whole process."

Ken Schaefer
Electrician
RJP Electric



Mechanical Shearbolt Lugs & Accessories

3M™ Mechanical Shearbolt Lugs QL2 Series: Two-Hole

	QL2*	Conductor Size Range AWG/kcmil	Lug O.D. Inches (mm)	Lug Length, with centering rings Inches (mm)	Lug I.D. Inches (mm)
	QL2-A-2-250	2 – 250	1.10 (28)	5.98 (152,0)	0.64 (16,3)
	QL2-A-1/0-350	1/0 – 350	1.30 (33)	6.32 (160,5)	0.78 (19,8)
	QL2-A-4/0-600	4/0 – 600	1.50 (38)	6.79 (172,5)	0.94 (23,9)
	QL2-A-350-750	350 – 750	1.65 (42)	7.54 (191,5)	1.03 (26,2)
	QL2-A-500-1000	500 – 1000	2.05 (52)	8.37 (212,5)	1.22 (31,0)
	QL2-A-1000-1250	1000 – 1250	2.05 (52)	8.37 (212,5)	1.31 (33,3)

***NOTE:** These lugs are designed to be used with 3M™ Cold Shrink QT-III Terminations. Refer to the termination instruction sheet for specific information regarding QL2 lug usage for each kit. For non-3M terminations, contact the termination manufacturer before installing the lug to determine proper sizing.

Shearbolt Holding Tools

Mechanical Shearbolt Lug Part #	Shearbolt Holding Tool SB Size 1	Shearbolt Holding Tool SB Size 2
QL2-A-2-250	✓	✗
QL2-A-1/0-350	✓	✓
QL2-A-4/0-600	✓	✓
QL2-A-350-750	✓	✓
QL2-A-500-1000	✗	✓
QL2-A-1000-1250	✗	✓



INDOOR

Single Core Termination Kits



3M™ Cold Shrink QT-III Silicone Rubber Indoor Terminations for use with Compression Lugs

Kit Number	BIL	Cable Insulation O.D. Range Inches (mm)	Conductor Size Range AWG and kcmil (mm ²)				
			5 kV	8 kV	15 kV	25/28 kV	35 kV*

Tape Shield, Wire Shield, UniShield® Cable Kits (Each kit makes three terminations.)

7620-T-95	95 kV	0.32 – 0.59 (8,1 – 15,0)	8 – 4	8 – 6	—	—	—
7621-T-95	95 kV	0.44 – 0.89 (11,2 – 22,6)	2 – 3/0	4 – 2/0	—	—	—
7622-T-95	95 kV	0.64 – 1.08 (16,3 – 27,4)	4/0 – 400	3/0 – 300	—	—	—
7624-T-95	95 kV	0.83 – 1.53 (21,1 – 38,9)	500 – 750	350 – 700	—	—	—
7625-T-95	95 kV	1.05 – 1.80 (26,7 – 45,7)	700 – 1500	600 – 1250	—	—	—
7622-T-110	110 kV	0.64 – 1.08 (16,3 – 27,4)	4/0 – 400	3/0 – 300	2 – 2/0 (35 – 70)	—	—
7623-T-110	110 kV	0.72 – 1.29 (18,3 – 32,8)	300 – 500	250 – 500	2/0 – 300 (70 – 150)	—	—
7624-T-110	110 kV	0.83 – 1.53 (21,1 – 38,9)	500 – 750	350 – 700	4/0 – 500 (120 – 240)	—	—
7625-T-110	110 kV	1.05 – 1.80 (26,7 – 45,7)	700 – 1500	600 – 1250	500 – 1000 (240 – 500)	—	—
7626-T-110	110 kV	1.53 – 2.32 (38,9 – 58,9)	1750 – 2000	1500 – 2000	1250 – 2000 (625 – 1000)	—	—
7693-T-150	150 kV	0.72 – 1.29 (18,3 – 32,8)	300 – 500	250 – 500	2/0 – 300 (70 – 150)	2 – 4/0 (35 – 120)	2 – 2/0 (35 – 70)
7695-T-150	150 kV	1.05 – 1.80 (26,7 – 45,7)	700 – 1500	600 – 1250	500 – 1000 (240 – 500)	250 – 800 (150 – 400)	3/0 – 600 (95 – 325)
7696-T-150	150 kV	1.53 – 2.32 (38,9 – 58,9)	1750 – 2000	1500 – 2000	1250 – 2000 (625 – 1000)	900 – 1750 (500 – 800)	700 – 1500 (400 – 725)

Concentric and Jacketed Concentric Neutral Cable Kits (Each kit makes one termination.)

7642-T-110	110 kV	0.64 – 1.08 (16,3 – 27,4)	4/0 – 400	3/0 – 300	2 – 2/0 (35 – 70)	—	—
7643-T-110	110kV	0.72 – 1.29 (18,3 – 32,8)	300 – 500	250 – 500	2/0 – 300 (70 – 150)	—	—
7644-T-110	110 kV	0.83 – 1.53 (21,1 – 38,9)	500 – 750	350 – 700	4/0 – 500 (120 – 240)	—	—
7645-T-110	110 kV	1.05 – 1.80 (26,7 – 45,7)	700 – 1500	600 – 1250	500 – 1000 (240 – 500)	—	—
7646-T-110	110 kV	1.53 – 2.32 (38,9 – 58,9)	1750 – 2000	1500 – 2000	1250 – 2000 (625 – 1000)	—	—
7653-T-150	150 kV	0.72 – 1.29 (18,3 – 32,8)	300 – 500	250 – 500	2/0 – 300 (70 – 150)	2 – 4/0 (35 – 120)	2 – 2/0 (35 – 70)
7655-T-150	150 kV	1.05 – 1.80 (26,7 – 45,7)	700 – 1500	600 – 1250	500 – 1250 (240 – 625)	250 – 800 (150 – 400)	3/0 – 600 (95 – 325)
7656-T-150	150 kV	1.53 – 2.32 (38,9 – 58,9)	1750 – 2000	1500 – 2000	1250 – 2000 (625 – 1000)	900 – 1750 (500 – 800)	700 – 1500 (400 – 725)

High Fault Current Cable Kits for Tape Shield, Wire-Over-Tape Shield, Longitudinally Corrugated (LC) Shield Cables (Each kit makes one termination.)

7642-T-HSG-110	110 kV	0.64 – 1.08 (16,3 – 27,4)	4/0 – 400	3/0 – 300	2 – 2/0 (35 – 70)	—	—
7643-T-HSG-110	110 kV	0.72 – 1.29 (18,3 – 32,8)	300 – 500	250 – 500	2/0 – 300 (70 – 150)	—	—
7644-T-HSG-110	110 kV	0.83 – 1.53 (21,1 – 38,9)	500 – 750	350 – 700	4/0 – 500 (120 – 240)	—	—
7645-T-HSG-110	110 kV	1.05" – 1.80" (26,7 – 45,7)	700 – 1500	600 – 1250	500 – 1000 (240 – 500)	—	—
7646-T-HSG-110	110 kV	1.53 – 2.32 (38,9 – 58,9)	1750 – 2000	1500 – 2000	1250 – 2000 (625 – 1000)	—	—
7653-T-HSG-150	150 kV	0.72 – 1.29 (18,3 – 32,8)	300 – 500	250 – 500	2/0 – 300 (70 – 150)	2 – 4/0 (35 – 120)	2 – 2/0 (35 – 70)
7655-T-HSG-150	150 kV	1.05 – 1.80 (26,7 – 45,7)	700 – 1500	600 – 1250	500 – 1000 (240 – 500)	250 – 800 (150 – 400)	3/0 – 600 (95 – 325)
7656-T-HSG-150	150 kV	1.53 – 2.32 (38,9 – 58,9)	1750 – 2000	1500 – 2000	1250 – 2000 (625 – 1000)	900 – 1750 (500 – 800)	700 – 1500 (400 – 725)

* 150 kV impulse level meets the impulse requirements for 35 kV class equipment where indoor terminations are used.



OUTDOOR

Single Core Termination Kits



3M™ Cold Shrink QT-III Silicone Rubber Outdoor Terminations for use with Compression Lugs

Kit Number	BIL	Cable Insulation O.D. Range Inches (mm)	Conductor Size Range AWG and kcmil (mm ²)				
			5 kV	8 kV	15 kV	25/28 kV	35 kV

Tape Shield, Wire Shield, UniShield® Cable Kits (Each kit makes three terminations.)

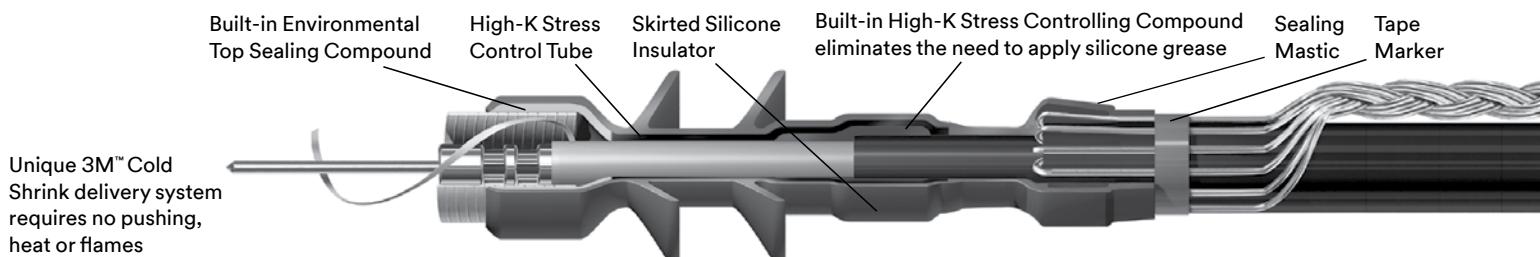
7620-S-2	95 kV	0.32–0.59 (8,1–15,0)	8–4	8–6	—	—	—
7621-S-2	95 kV	0.44–0.89 (11,2–22,6)	2–3/0	4–2/0	—	—	—
7622-S-2	110 kV	0.64–1.08 (16,3–27,4)	4/0–400	3/0–300	2–4/0 (35–120)	—	—
7692-S-4	150 kV	0.64–1.08 (16,3–27,4)	4/0–400	3/0–300	2–4/0 (35–120)	2–1/0 (35–50)	—
7693-S-4	150 kV	0.72–1.29 (18,3–32,8)	300–500	250–500	2/0–300 (70–150)	2–4/0 (35–120)	—
7694-S-4	150 kV	0.83–1.53 (21,1–38,9)	500–750	350–700	4/0–500 (120–240)	2/0–250 (70–150)	—
7695-S-4	150 kV	1.05–1.80 (26,7–45,7)	700–1500	600–1250	500–1000 (240–500)	250–800 (150–400)	—
7696-S-4	150 kV	1.53–2.32 (38,9–58,9)	1750–2000	1500–2000	1250–2000 (625–1000)	900–1750 (500–800)	—
7683-S-8	200 kV	0.72–1.29 (18,3–32,8)	300–500	250–500	2/0–300 (70–150)	2–4/0 (35–120)	2–2/0 (35–70)
7684-S-8	200 kV	0.83–1.53 (21,1–38,9)	500–750	350–700	4/0–500 (120–240)	2/0–250 (70–150)	2–4/0 (35–120)
7685-S-8	200 kV	1.05–1.80 (26,7–45,7)	700–1500	600–1250	500–1000 (240–500)	250–800 (150–400)	3/0–600 (95–325)
7686-S-8	200 kV	1.53–2.32 (38,9–58,9)	1750–2000	1500–2000	1250–2000 (625–1000)	900–1750 (500–800)	700–1500 (400–725)

Concentric and Jacketed Concentric Neutral Cable Kits (Each kit makes one termination.)

7642-S-2	110 kV	0.64–1.08 (16,3–27,4)	4/0–400	3/0–300	2–4/0 (35–120)	—	—
7652-S-4	150 kV	0.64–1.08 (16,3–27,4)	4/0–400	3/0–300	2–4/0 (35–120)	2–1/0 (35–50)	—
7653-S-4	150 kV	0.72–1.29 (18,3–32,8)	300–500	250–500	2/0–300 (70–150)	2–4/0 (35–120)	—
7654-S-4	150 kV	0.83–1.53 (21,1–38,9)	500–750	350–700	4/0–500 (120–240)	2/0–250 (70–150)	—
7655-S-4	150 kV	1.05–1.80 (26,7–45,7)	700–1500	600–1250	500–1000 (240–500)	250–800 (150–400)	—
7656-S-4	150 kV	1.53–2.32 (38,9–58,9)	1750–2000	1500–2000	1250–2000 (625–1000)	900–1750 (500–800)	—
7663-S-8	200 kV	0.72–1.29 (18,3–32,8)	300–500	250–500	2/0–300 (70–150)	2–4/0 (35–120)	2–2/0 (35–70)
7664-S-8	200 kV	0.83–1.53 (21,1–38,9)	500–750	350–700	4/0–500 (120–240)	2/0–250 (70–150)	2–4/0 (35–120)
7665-S-8	200 kV	1.05–1.80 (26,7–45,7)	700–1500	600–1250	500–1000 (240–500)	250–800 (150–400)	3/0–600 (95–325)
7666-S-8	200 kV	1.53–2.32 (38,9–58,9)	1750–2000	1500–2000	1250–2000 (625–1000)	900–1750 (500–800)	700–1500 (400–725)

High Fault Current Cable Kits for Tape Shield, Wire-Over-Tape Shield, Longitudinally Corrugated (LC) Shield Cables (Each kit makes one termination.)

7652-S-HSG-4	150 kV	0.64–1.08 (16,3–27,4)	4/0–400	3/0–300	2–4/0 (35–120)	2–1/0 (35–50)	—
7653-S-HSG-4	150 kV	0.72–1.29 (18,3–32,8)	300–500	250–500	2/0–300 (70–150)	2–4/0 (35–120)	—
7654-S-HSG-4	150 kV	0.83–1.53 (21,1–38,9)	500–750	350–700	4/0–500 (120–240)	2/0–250 (70–150)	—
7655-S-HSG-4	150 kV	1.05–1.80 (26,7–45,7)	700–1500	600–1250	500–1000 (240–500)	250–800 (150–400)	—
7656-S-HSG-4	150 kV	1.53–2.32 (38,9–58,9)	1750–2000	1500–2000	1250–2000 (625–1000)	900–1750 (500–800)	—
7663-S-HSG-8	200 kV	0.72–1.29 (18,3–32,8)	300–500	250–500	2/0–300 (70–150)	2–4/0 (35–120)	2–2/0 (35–70)
7664-S-HSG-8	200 kV	0.83–1.53 (21,1–38,9)	500–750	350–700	4/0–500 (120–240)	2/0–250 (70–150)	2–4/0 (35–120)
7665-S-HSG-8	200 kV	1.05–1.80 (26,7–45,7)	700–1500	600–1250	500–1000 (240–500)	250–800 (150–400)	3/0–600 (95–325)
7666-S-HSG-8	200 kV	1.53–2.32 (38,9–58,9)	1750–2000	1500–2000	1250–2000 (625–1000)	900–1750 (500–800)	700–1500 (400–725)



INVERTED

Single Core Termination Kits



3M™ Cold Shrink QT-III Silicone Rubber Inverted Outdoor Terminations for use with Compression Lugs

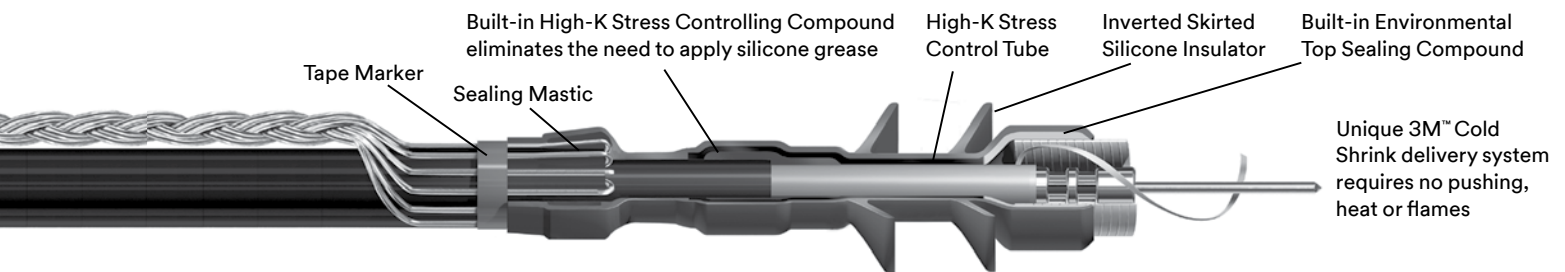
Kit Number	BIL	Cable Insulation O.D. Range Inches (mm)	Conductor Size Range AWG and kcmil (mm ²)				
			5 kV	8 kV	15 kV	25/28 kV	35 kV

Inverted Kits for Concentric and Jacketed Concentric Neutral Cable (Each kit makes one termination.)

7642-S-INV-2	110 kV	0.64 – 1.08 (16,3 – 27,4)	4/0 – 400	3/0 – 300	2 – 4/0 (35 – 120)	—	—
7653-S-INV-4	200 kV	0.72 – 1.29 (18,3 – 32,8)	300 – 500	250 – 500	2/0 – 300 (70 – 150)	2 – 4/0 (35 – 120)	2 – 2/0 (35 – 70)
7655-S-INV-4	200 kV	1.05 – 1.80 (26,7 – 45,7)	700 – 1500	600 – 1250	500 – 1000 (240 – 500)	250 – 800 (150 – 400)	3/0 – 600 (95 – 325)
7656-S-INV-4	200 kV	1.53 – 2.32 (38,9 – 58,9)	1750 – 2000	1500 – 2000	1250 – 2000 (625 – 1000)	900 – 1750 (500 – 800)	700 – 1500 (400 – 725)

Inverted Kits for Tape Shield, Wire Shield and UniShield® Cables (Each kit makes three terminations.)

7622-S-INV-2	110 kV	0.64 – 1.08 (16,3 – 27,4)	4/0 – 400	3/0 – 300	2 – 4/0 (35 – 120)	—	—
7693-S-INV-4	150 kV	0.72 – 1.29 (18,3 – 32,8)	300 – 500	250 – 500	2/0 – 300 (70 – 150)	2 – 4/0 (35 – 120)	2 – 2/0 (35 – 70)
7695-S-INV-4	150 kV	1.05 – 1.80 (26,7 – 45,7)	700 – 1500	600 – 1250	350 – 1000 (185 – 500)	250 – 800 (150 – 400)	3/0 – 600 (95 – 325)
7696-S-INV-4	150 kV	1.53 – 2.32 (38,9 – 58,9)	1750 – 2000	1500 – 2000	1250 – 2000 (625 – 1000)	900 – 1750 (500 – 800)	700 – 1500 (400 – 725)



TOP INSULATOR

Single Core Termination Kits

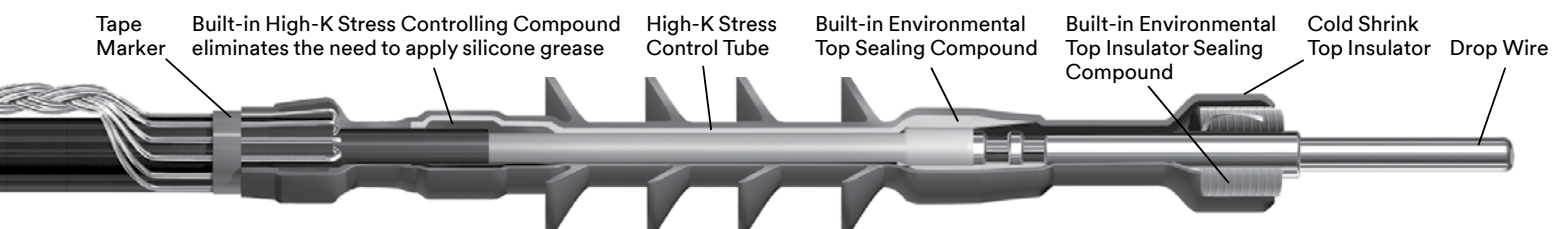


3M™ Cold Shrink QT-III Silicone Rubber Terminations with Top Insulator for use with Compression Lugs

Kit Number	BIL	Cable Insulation O.D. Range Inches (mm)	Connector & Drop Wire O.D. Range Inches (mm)	Conductor Size Range 100% Insulation Level AWG and kcmil (mm ²)	
				15 kV	25/28 kV

Top Insulator Kits for Concentric and Jacketed Concentric Neutral Cable (Each kit makes one termination.)

7642-S-2-TI	110 kV	0.64 – 1.08 (16,3 – 27,4)	0.97 – 1.48 (24,6 – 37,6)	2 – 4/0 (35 – 120)	—
7652-S-4-TI	150 kV	0.64 – 1.08 (16,3 – 27,4)	0.51 – 0.82 (12,9 – 20,8)	2 – 4/0 (35 – 120)	2 – 1/0 (35 – 50)
7653-S-4-TI	150 kV	0.72 – 1.29 (18,3 – 32,8)	0.62 – 1.00 (15,7 – 25,4)	2/0 – 300 (70 – 150)	2 – 4/0 (35 – 120)
7654-S-4-TI	150 kV	0.83 – 1.53 (21,1 – 38,9)	0.66 – 1.18 (16,7 – 30,0)	4/0 – 625 (120 – 240)	2/0 – 250 (70 – 150)
7655-S-4-TI	150 kV	1.05 – 1.80 (26,7 – 45,7)	0.69 – 1.30 (17,5 – 33,0)	500 – 1000 (240 – 500)	250 – 800 (150 – 400)
7656-S-4-TI	150 kV	1.53 – 2.32 (38,9 – 58,9)	1.05 – 1.94 (26,6 – 49,3)	1250 – 2000 (625 – 1000)	900 – 1750 (500 – 800)





INDOOR

Single Core Termination Kits

3M™ Cold Shrink QT-III Silicone Rubber Indoor Terminations for use with Shearbolt Lugs

Kit Number	BIL	Cable Insulation O.D. Range Inches (mm)	Conductor Size Range			3M™ Shearbolt Lug Part Number
			15 kV	AWG and kcmil 25/28 kV	35 kV	

Tape Shield, Wire Shield, UniShield® Cable Kits (Each kit makes three terminations.)

7622-T-110 (L)	110 kV	0.69 – 1.22 (17,5 – 31,0)	1/0 – 4/0	NA	NA	QL2-A-2-250
7623-T-110	110 kV	0.72 – 1.29 (18,3 – 32,8)	2/0 – 250	NA	NA	QL2-A-2-250
7624-T-110	110 kV	0.83 – 1.53 (21,1 – 38,9)	4/0 – 350	NA	NA	QL2-A-1/0-350
7625-T-110	110 kV	1.05 – 1.80 (26,7 – 45,7)	500	NA	NA	QL2-A-4/0-600
7625-T-110	110 kV	1.05 – 1.80 (26,7 – 45,7)	500 – 750	NA	NA	QL2-A-350-750
7625-T-110 (L)	110 kV	1.15 – 1.98 (29,2 – 50,3)	750 – 1000	NA	NA	QL2-A-500-1000
7626-T-110	110 kV	1.53 – 2.32 (38,9 – 58,9)	1250	NA	NA	QL2-A-1000-1250
7693-T-150	150 kV	0.72 – 1.29 (18,3 – 32,8)	2/0 – 250	2 – 4/0	1/0 – 2/0	QL2-A-2-250
7695-T-150	150 kV	1.05 – 1.80 (26,7 – 45,7)	500	250 – 500	4/0 – 600	QL2-A-4/0-600
7695-T-150	150 kV	1.05 – 1.80 (26,7 – 45,7)	500 – 750	350 – 750	350 – 500	QL2-A-350-750
7695-T-150 (L)	150 kV	1.15 – 1.90 (29,2 – 48,3)	750 – 1000	500 – 750	NA	QL2-A-500-1000
7696-T-150	150 kV	1.53 – 2.32 (38,9 – 58,9)	NA	NA	750	QL2-A-350-750
7696-T-150	150 kV	1.53 – 2.32 (38,9 – 58,9)	NA	NA	750 – 1000	QL2-A-500-1000
7696-T-150	150 kV	1.53 – 2.32 (38,9 – 58,9)	1250	1000 – 1250	1000 – 1250	QL2-A-1000-1250

Concentric and Jacketed Concentric Neutral Cable Kits (Each kit makes one termination.)

7642-T-110 (L)	110 kV	0.69 – 1.22 (17,5 – 31,0)	1/0 – 4/0	NA	NA	QL2-A-2-250
7643-T-110	110 kV	0.72 – 1.29 (18,3 – 32,8)	2/0 – 250	NA	NA	QL2-A-2-250
7644-T-110	110 kV	0.83 – 1.53 (21,1 – 38,9)	4/0 – 350	NA	NA	QL2-A-1/0-350
7645-T-110	110 kV	1.05 – 1.80 (26,7 – 45,7)	500	NA	NA	QL2-A-4/0-600
7645-T-110	110 kV	1.05 – 1.80 (26,7 – 45,7)	500 – 750	NA	NA	QL2-A-350-750
7645-T-110 (L)	110 kV	1.15 – 1.98 (29,2 – 50,3)	750 – 1000	NA	NA	QL2-A-500-1000
7646-T-110	110 kV	1.53 – 2.32 (38,9 – 58,9)	1250	NA	NA	QL2-A-1000-1250
7653-T-150	150 kV	0.72 – 1.29 (18,3 – 32,8)	2/0 – 250	2 – 4/0	1/0 – 2/0	QL2-A-2-250
7655-T-150	150 kV	1.05 – 1.80 (26,7 – 45,7)	500	250 – 500	4/0 – 600	QL2-A-4/0-600
7655-T-150	150 kV	1.05 – 1.80 (26,7 – 45,7)	500 – 750	350 – 750	350 – 500	QL2-A-350-750
7655-T-150 (L)	150 kV	1.15 – 1.90 (29,2 – 48,3)	750 – 1000	500 – 750	NA	QL2-A-500-1000
7656-T-150	150 kV	1.53 – 2.32 (38,9 – 58,9)	NA	NA	750	QL2-A-350-750
7656-T-150	150 kV	1.53 – 2.32 (38,9 – 58,9)	NA	NA	750 – 1000	QL2-A-500-1000
7656-T-150	150 kV	1.53 – 2.32 (38,9 – 58,9)	1250	1000 – 1250	1000 – 1250	QL2-A-1000-1250

High Fault Current Cable Kits for Tape Shield, Wire-Over-Tape Shield, Longitudinally Corrugated (LC) Shield Cables (Each kit makes one termination.)

7642-T-HSG-110 (L)	110 kV	0.69 – 1.22 (17,5 – 31,0)	1/0 – 4/0	NA	NA	QL2-A-2-250
7643-T-HSG-110	110 kV	0.72 – 1.29 (18,3 – 32,8)	2/0 – 250	NA	NA	QL2-A-2-250
7644-T-HSG-110	110 kV	0.83 – 1.53 (21,1 – 38,9)	4/0 – 350	NA	NA	QL2-A-1/0-350
7645-T-HSG-110	110 kV	1.05 – 1.80 (26,7 – 45,7)	500	NA	NA	QL2-A-4/0-600
7645-T-HSG-110	110 kV	1.05 – 1.80 (26,7 – 45,7)	500 – 750	NA	NA	QL2-A-350-750
7645-T-HSG-110 (L)	110 kV	1.15 – 1.98 (29,2 – 50,3)	750 – 1000	NA	NA	QL2-A-500-1000
7646-T-HSG-110	110 kV	1.53 – 2.32 (38,9 – 58,9)	1250	NA	NA	QL2-A-1000-1250
7653-T-HSG-150	150 kV	0.72 – 1.29 (18,3 – 32,8)	2/0 – 250	2 – 4/0	1/0 – 2/0	QL2-A-2-250
7655-T-HSG-150	150 kV	1.05 – 1.80 (26,7 – 45,7)	500	250 – 500	4/0 – 600	QL2-A-4/0-600
7655-T-HSG-150	150 kV	1.05 – 1.80 (26,7 – 45,7)	500 – 750	350 – 750	350 – 500	QL2-A-350-750
7655-T-HSG-150 (L)	150 kV	1.15 – 1.90 (29,2 – 48,3)	750 – 1000	500 – 750	NA	QL2-A-500-1000
7656-T-HSG-150	150 kV	1.53 – 2.32 (38,9 – 58,9)	NA	NA	750	QL2-A-350-750
7656-T-HSG-150	150 kV	1.53 – 2.32 (38,9 – 58,9)	NA	NA	750 – 1000	QL2-A-500-1000
7656-T-HSG-150	150 kV	1.53 – 2.32 (38,9 – 58,9)	1250	1000 – 1250	1000 – 1250	QL2-A-1000-1250

OUTDOOR

Single Core Termination Kits



3M™ Cold Shrink QT-III Silicone Rubber Outdoor Terminations for use with Shearbolt Lugs

Kit Number	BIL	Cable Insulation O.D. Range Inches (mm)	Conductor Size Range AWG and kcmil			3M™ Shearbolt Lug Part Number
			15 kV	25/28 kV	35 kV	
Tape Shield, Wire Shield, UniShield® Cable Kits (Each kit makes three terminations.)						
7622-S-2 (L)	110 kV	0.69 – 1.22 (17,5 – 31,0)	1/0 – 4/0	NA	NA	QL2-A-2-250
7692-S-4 (L)	150 kV	0.69 – 1.22 (17,5 – 31,0)	1/0 – 4/0	NA	NA	QL2-A-2-250
7693-S-4	150 kV	0.72 – 1.29 (18,3 – 32,8)	2/0 – 250	2 – 4/0	NA	QL2-A-2-250
7694-S-4	150 kV	0.83 – 1.53 (21,1 – 38,9)	NA	2/0 – 250	NA	QL2-A-2-250
7694-S-4	150 kV	0.83 – 1.53 (21,1 – 38,9)	4/0 – 350	2/0 – 250	NA	QL2-A-1/0-350
7694-S-4	150 kV	0.83 – 1.53 (21,1 – 38,9)	NA	4/0 – 250	NA	QL2-A-4/0-600
7695-S-4	150 kV	1.05 – 1.80 (26,7 – 45,7)	500	250 – 500	NA	QL2-A-4/0-600
7695-S-4	150 kV	1.05 – 1.80 (26,7 – 45,7)	500 – 750	350 – 750	NA	QL2-A-350-750
7695-S-4 (L)	150 kV	1.15 – 1.98 (29,2 – 50,3)	750 – 1000	500 – 750	NA	QL2-A-500-1000
7696-S-4	150 kV	1.53 – 2.32 (38,9 – 58,9)	1250	1000 – 1250	NA	QL2-A-1000-1250
7683-S-8	200 kV	0.72 – 1.29 (18,3 – 32,8)	2/0 – 250	2 – 4/0	1/0 – 2/0	QL2-A-2-250
7684-S-8	200 kV	0.83 – 1.53 (21,1 – 38,9)	NA	2/0 – 250	NA	QL2-A-2-250
7684-S-8	200 kV	0.83 – 1.53 (21,1 – 38,9)	4/0 – 350	2/0 – 250	1/0 – 4/0	QL2-A-1/0-350
7684-S-8	200 kV	0.83 – 1.53 (21,1 – 38,9)	NA	4/0 – 250	NA	QL2-A-4/0-600
7685-S-8	200 kV	1.05 – 1.80 (26,7 – 45,7)	500	250 – 500	4/0 – 600	QL2-A-4/0-600
7685-S-8	200 kV	1.05 – 1.80 (26,7 – 45,7)	500 – 750	350 – 750	350 – 500	QL2-A-350-750
7685-S-8 (L)	200 kV	1.15 – 1.98 (29,2 – 50,3)	750 – 1000	500 – 750	NA	QL2-A-500-1000
7686-S-8	200 kV	1.53 – 2.32 (38,9 – 58,9)	NA	NA	750	QL2-A-350-750
7686-S-8	200 kV	1.53 – 2.32 (38,9 – 58,9)	NA	NA	750 – 1000	QL2-A-500-1000
7686-S-8	200 kV	1.53 – 2.32 (38,9 – 58,9)	1250	1000 – 1250	1000 – 1250	QL2-A-1000-1250
Concentric and Jacketed Concentric Neutral Cable Kits (Each kit makes one termination.)						
7642-S-2 (L)	110 kV	0.69 – 1.22 (17,5 – 31,0)	1/0 – 4/0	NA	NA	QL2-A-2-250
7652-S-4 (L)	150 kV	0.69 – 1.22 (17,5 – 31,0)	1/0 – 4/0	NA	NA	QL2-A-2-250
7653-S-4	150 kV	0.72 – 1.29 (18,3 – 32,8)	2/0 – 250	2 – 4/0	NA	QL2-A-2-250
7654-S-4	150 kV	0.83 – 1.53 (21,1 – 38,9)	NA	2/0 – 250	NA	QL2-A-2-250
7654-S-4	150 kV	0.83 – 1.53 (21,1 – 38,9)	4/0 – 350	2/0 – 250	NA	QL2-A-1/0-350
7654-S-4	150 kV	0.83 – 1.53 (21,1 – 38,9)	NA	4/0 – 250	NA	QL2-A-4/0-600
7655-S-4	150 kV	1.05 – 1.80 (26,7 – 45,7)	500	250 – 500	NA	QL2-A-4/0-600
7655-S-4	150 kV	1.05 – 1.80 (26,7 – 45,7)	500 – 750	350 – 750	NA	QL2-A-350-750
7655-S-4 (L)	150 kV	1.15 – 1.98 (29,2 – 50,3)	750 – 1000	500 – 750	NA	QL2-A-500-1000
7656-S-4	150 kV	1.53 – 2.32 (38,9 – 58,9)	1250	1000 – 1250	NA	QL2-A-1000-1250
7663-S-8	200 kV	0.72 – 1.29 (18,3 – 32,8)	2/0 – 250	2 – 4/0	1/0 – 2/0	QL2-A-2-250
7664-S-8	200 kV	0.83 – 1.53 (21,1 – 38,9)	NA	2/0 – 250	NA	QL2-A-2-250
7664-S-8	200 kV	0.83 – 1.53 (21,1 – 38,9)	4/0 – 350	2/0 – 250	1/0 – 4/0	QL2-A-1/0-350
7664-S-8	200 kV	0.83 – 1.53 (21,1 – 38,9)	NA	4/0 – 250	NA	QL2-A-4/0-600
7665-S-8	200 kV	1.05 – 1.80 (26,7 – 45,7)	500	250 – 500	4/0 – 600	QL2-A-4/0-600
7665-S-8	200 kV	1.05 – 1.80 (26,7 – 45,7)	500 – 750	350 – 750	350 – 500	QL2-A-350-750
7665-S-8 (L)	200 kV	1.15 – 1.98 (29,2 – 50,3)	750 – 1000	500 – 750	NA	QL2-A-500-1000
7666-S-8	200 kV	1.53 – 2.32 (38,9 – 58,9)	NA	NA	750	QL2-A-350-750
7666-S-8	200 kV	1.53 – 2.32 (38,9 – 58,9)	NA	NA	750 – 1000	QL2-A-500-1000
7666-S-8	200 kV	1.53 – 2.32 (38,9 – 58,9)	1250	1000 – 1250	1000 – 1250	QL2-A-1000-1250
High Fault Current Cable Kits For Tape Shield, Wire-Over-Tape Shield, Longitudinally Corrugated (LC) Shield Cables (Each kit makes one termination.)						
7652-S-HSG-4 (L)	150 kV	0.69 – 1.22 (17,5 – 31,0)	1/0 – 4/0	NA	NA	QL2-A-2-250
7653-S-HSG-4	150 kV	0.72 – 1.29 (18,3 – 32,8)	2/0 – 250	2 – 4/0	NA	QL2-A-2-250
7654-S-HSG-4	150 kV	0.83 – 1.53 (21,1 – 38,9)	NA	2/0 – 250	NA	QL2-A-2-250
7654-S-HSG-4	150 kV	0.83 – 1.53 (21,1 – 38,9)	4/0 – 350	2/0 – 250	NA	QL2-A-1/0-350
7654-S-HSG-4	150 kV	0.83 – 1.53 (21,1 – 38,9)	NA	4/0 – 250	NA	QL2-A-4/0-600
7655-S-HSG-4	150 kV	1.05 – 1.80 (26,7 – 45,7)	500	250 – 500	NA	QL2-A-4/0-600
7655-S-HSG-4	150 kV	1.05 – 1.80 (26,7 – 45,7)	500 – 750	350 – 750	NA	QL2-A-350-750
7655-S-HSG-4 (L)	150 kV	1.15 – 1.98 (29,2 – 50,3)	750 – 1000	500 – 750	NA	QL2-A-500-1000
7656-S-HSG-4	150 kV	1.53 – 2.32 (38,9 – 58,9)	1250	1000 – 1250	NA	QL2-A-1000-1250
7663-S-HSG-8	200 kV	0.72 – 1.29 (18,3 – 32,8)	2/0 – 250	2 – 4/0	1/0 – 2/0	QL2-A-2-250
7664-S-HSG-8	200 kV	0.83 – 1.53 (21,1 – 38,9)	NA	2/0 – 250	NA	QL2-A-2-250
7664-S-HSG-8	200 kV	0.83 – 1.53 (21,1 – 38,9)	4/0 – 350	2/0 – 250	1/0 – 4/0	QL2-A-1/0-350
7664-S-HSG-8	200 kV	0.83 – 1.53 (21,1 – 38,9)	NA	4/0 – 250	NA	QL2-A-4/0-600
7665-S-HSG-8	200 kV	1.05 – 1.80 (26,7 – 45,7)	500	250 – 500	4/0 – 600	QL2-A-4/0-600
7665-S-HSG-8	200 kV	1.05 – 1.80 (26,7 – 45,7)	500 – 750	350 – 750	350 – 500	QL2-A-350-750
7665-S-HSG-8 (L)	200 kV	1.15 – 1.98 (29,2 – 50,3)	750 – 1000	500 – 750	NA	QL2-A-500-1000
7666-S-HSG-8	200 kV	1.53 – 2.32 (38,9 – 58,9)	NA	NA	750	QL2-A-350-750
7666-S-HSG-8	200 kV	1.53 – 2.32 (38,9 – 58,9)	NA	NA	750 – 1000	QL2-A-500-1000
7666-S-HSG-8	200 kV	1.53 – 2.32 (38,9 – 58,9)	1250	1000 – 1250	1000 – 1250	QL2-A-1000-1250



INVERTED

Single Core Termination Kits

Cold Shrink QT-III Silicone Rubber Inverted Terminations for use with Shearbolt Lugs

Kit Number	BIL	Cable Insulation O.D. Range Inches (mm)	Conductor Size Range AWG and kcmil			3M™ Shearbolt Lug Part Number
			15 kV	25/28 kV	35 kV	
Inverted Kits for Concentric and Jacketed Concentric Neutral Cable (Each kit makes one termination.)						
7642-S-INV-2 (L)	110 kV	0.69 – 1.22 (17,5 – 31,0)	1/0 – 4/0	NA	NA	QL2-A-2-250
7653-S-INV-4	200 kV	0.72 – 1.22 (18,3 – 32,8)	2/0 – 250	2 – 4/0	1/0 – 2/0	QL2-A-2-250
7655-S-INV-4	200 kV	1.05 – 1.80 (26,7 – 45,7)	500	250 – 500	4/0 – 600	QL2-A-4/0-600
7655-S-INV-4	200 kV	1.05 – 1.80 (26,7 – 45,7)	500 – 750	350 – 750	350 – 500	QL2-A-350-750
7655-S-INV-4 (L)	200 kV	1.15 – 1.90 (29,2 – 48,3)	750 – 1000	500 – 750	NA	QL2-A-500-1000
7656-S-INV-4	200 kV	1.53 – 2.32 (38,9 – 58,9)	NA	NA	750	QL2-A-350-750
7656-S-INV-4	200 kV	1.53 – 2.32 (38,9 – 58,9)	NA	NA	750 – 1000	QL2-A-500-1000
7656-S-INV-4	200 kV	1.53 – 2.32 (38,9 – 58,9)	1250	1000 – 1250	1000 – 1250	QL2-A-1000-1250
Inverted Kits for Tape Shield, Wire Shield and UniShield® Cables (Each kit makes one termination.)						
7622-S-INV-2 (L)	110 kV	0.69 – 1.22 (17,5 – 31,0)	1/0 – 4/0	NA	NA	QL2-A-2-250
7693-S-INV-4	200 kV	0.72 – 1.29 (18,3 – 32,8)	2/0 – 250	2 – 4/0	1/0 – 2/0	QL2-A-2-250
7695-S-INV-4	200 kV	1.05 – 1.80 (26,7 – 45,7)	500	250 – 500	4/0 – 600	QL2-A-4/0-600
7695-S-INV-4	200 kV	1.05 – 1.80 (26,7 – 45,7)	500 – 750	350 – 750	350 – 500	QL2-A-350-750
7695-S-INV-4 (L)	200 kV	1.15 – 1.90 (29,2 – 48,3)	750 – 1000	500 – 750	NA	QL2-A-500-1000
7696-S-INV-4	200 kV	1.53 – 2.32 (38,9 – 58,9)	NA	NA	750	QL2-A-350-750
7696-S-INV-4	200 kV	1.53 – 2.32 (38,9 – 58,9)	NA	NA	750 – 1000	QL2-A-500-1000
7696-S-INV-4	200 kV	1.53 – 2.32 (38,9 – 58,9)	1250	1000 – 1250	1000 – 1250	QL2-A-1000-1250

TOP INSULATOR

Single Core Termination Kits

3M™ Cold Shrink QT-III Silicone Rubber Terminations with Top Insulator for use with Shearbolt Lugs

Kit Number	BIL	Cable Insulation O.D. Range Inches (mm)	Conductor Size Range AWG and kcmil			3M™ Shearbolt Lug Part Number
			15 kV	25/28 kV	35 kV	
Top Insulator Kits for Concentric and Jacketed Concentric Neutral Cable Kits (Each kit makes one termination.)						
7642-S-2-TI (L)	110 kV	0.69 – 1.22 (17,5 – 31,0)	1/0 – 4/0	NA	NA	QL2-A-2-250
7652-S-4-TI (L)	150 kV	0.69 – 1.22 (17,5 – 31,0)	1/0 – 4/0	NA	NA	QL2-A-2-250
7653-S-4-TI	150 kV	0.72 – 1.29 (18,3 – 32,8)	2/0 – 250	2 – 4/0	NA	QL2-A-2-250
7654-S-4-TI	150 kV	0.83 – 1.53 (21,1 – 38,9)	NA	2/0 – 250	NA	QL2-A-2-250
7654-S-4-TI	150 kV	0.83 – 1.53 (21,1 – 38,9)	4/0 – 350	2/0 – 250	NA	QL2-A-1/0-350
7654-S-4-TI	150 kV	0.83 – 1.53 (21,1 – 38,9)	NA	4/0 – 250	NA	QL2-A-4/0-600
7655-S-4-TI	150 kV	1.05 – 1.80 (26,7 – 45,7)	500	250 – 500	NA	QL2-A-4/0-600
7655-S-4-TI	150 kV	1.05 – 1.80 (26,7 – 45,7)	500 – 750	350 – 750	NA	QL2-A-350-750
7655-S-4-TI (L)	150 kV	1.15 – 1.98 (29,2 – 50,3)	750 – 1000	500 – 750	NA	QL2-A-500-1000
7656-S-4-TI	150 kV	1.53 – 2.32 (38,9 – 58,9)	1250	1000 – 1250	NA	QL2-A-1000-1250

Three Core Termination Kits

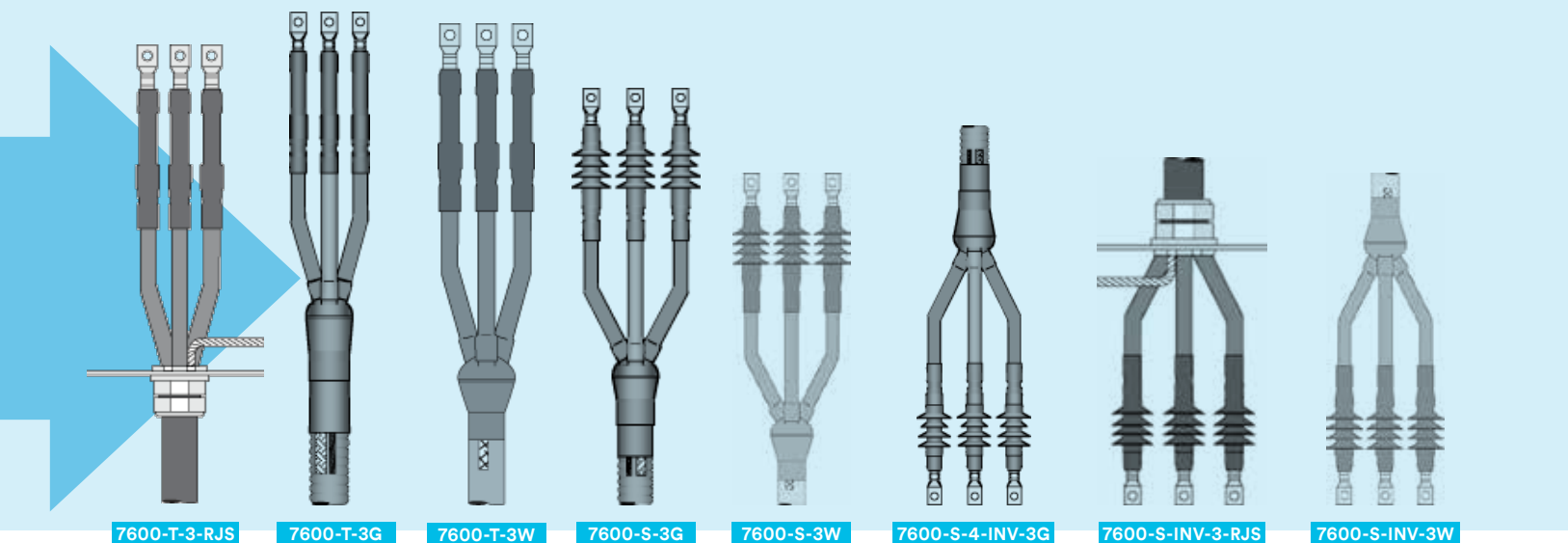
Kit Series	Insulator Configuration	Installation Environment	For Cable Type(s) with or without Ground Wires	Page Number
7600-T-3-RJS	Tubular	Indoor: Cabinet Mount (No Breakout Boot)	With or without ground wires	12
7600-T-3G	Tubular	Indoor	With ground wires	16
7600-T-3W	Tubular	Indoor	Without ground wires	18
7600-S-3-RJS	Skirted	Indoor-Cabinet Mount (No Breakout Boot)	With or without ground wires	20
7600-S-3G	Skirted	Outdoor	With ground wires	14
7600-S-3W	Skirted	Outdoor	Without ground wires	20
7600-S-INV-3-RJS	Inverted/Skirted	Outdoor: Cabinet Mount (No Breakout Boot)	With or without ground wires	22
7600-S-INV-3G	Inverted/Skirted	Outdoor	With ground wires	22
7600-S-INV-3W	Inverted/Skirted	Outdoor	Without ground wires	22

INDOOR Three Core Termination Kits

3M™ Cold Shrink QT-III Indoor Termination Kit 7600-T-3-RJS Series
for 5-35 kV Tape Shield (Armored or Unarmored), Wire Shield*, UniShield®* Cables

Kit Number	BIL	Max. Installed Length Inches (mm)	Cable Insulation O.D. Range Inches (mm)	3.3 kV	5.0 kV	6.6 kV
Indoor cabinet mount installation environment. For cables with or without ground wires.						
7620-T-95-3-RJS	95 kV	8.5 (216)	0.33 – 0.50 (8,4 – 12,7)	IEC 16 – 35 mm ² JIS 8 – 22 mm ²	AEIC 8 – 2 AWG	IEC 16 – 25 mm ²
7621-T-95-3-RJS	95 kV	8.5 (216)	0.50 – 0.70 (12,7 – 17,8)	IEC 50 – 95 mm ² JIS 38 – 60 mm ²	AEIC 1 – 3/0 AWG	IEC 35 – 70 mm ²
7623-T-95-3-RJS	95 kV	8.5 (216)	0.70 – 0.92 (17,8 – 23,4)	IEC 120 – 185 mm ² JIS 100 – 150 mm ²	AEIC 4/0 AWG – 400 kcmil	IEC 95 – 150 mm ²
7624-T-95-3-RJS	95 kV	8.5 (216)	0.92 – 1.18 (23,4 – 30,0)	IEC 240 – 300 mm ² JIS 200 – 250 mm ²	AEIC 500 – 750 kcmil	IEC 185 – 300 mm ²
7625-T-95-3-RJS	95 kV	8.5 (216)	1.18 – 1.52 (30,0 – 38,6)	–	AEIC 700 – 1000 kcmil	–
7621-T-110-3-RJS	110 kV	12.0 (305)	0.50 – 0.70 (12,7 – 17,8)	IEC 50 – 95 mm ² JIS 38 – 60 mm ²	AEIC 1 – 3/0 AWG	IEC 35 – 70 mm ² JIS 14 – 38 mm ²
7622-T-110-3-RJS	110 kV	12.0 (305)	0.70 – 0.92 (17,8 – 23,4)	IEC 120 – 185 mm ² JIS 100 – 150 mm ²	AEIC 4/0 AWG – 400 kcmil	IEC 95 – 150 mm ² JIS 60 – 100 mm ²
7624-T-110-3-RJS	110 kV	12.0 (305)	0.92 – 1.18 (23,4 – 30,0)	IEC 240 – 300 mm ² JIS 200 – 250 mm ²	AEIC 500 – 750 kcmil	IEC 185 – 300 mm ² JIS 150 – 250 mm ²
7625-T-110-3-RJS	110 kV	12.0 (305)	1.18 – 1.52 (30,0 – 38,6)	JIS 300 – 325 mm ²	AEIC 800 – 1000 kcmil	JIS 300 – 325 mm ²
7622-T-125-3-RJS	125 kV	10.5 (267)	0.70 – 0.92 (17,8 – 23,4)	IEC 120 – 185 mm ² JIS 100 – 150 mm ²	AEIC 4/0 AWG – 400 kcmil	IEC 95 – 150 mm ² JIS 60 – 100 mm ²
7624-T-125-3-RJS	125 kV	10.5 (267)	0.92 – 1.18 (23,4 – 30,0)	IEC 240 – 300 mm ² JIS 200 – 250 mm ²	AEIC 500 – 750 kcmil	IEC 185 – 300 mm ² JIS 150 – 250 mm ²
7625-T-125-3-RJS	125 kV	10.5 (267)	1.18 – 1.52 (30,0 – 38,6)	JIS 300 – 325 mm ²	AEIC 800 – 1000 kcmil	JIS 300 – 325 mm ²
7693-T-150-3-RJS	150 kV	16.0 (406)	0.70 – 0.92 (17,8 – 23,4)	IEC 120 – 185 mm ² JIS 100 – 150 mm ²	AEIC 4/0 AWG – 400 kcmil	IEC 95 – 150 mm ² JIS 60 – 100 mm ²
7694-T-150-3-RJS	150 kV	16.0 (406)	0.92 – 1.18 (23,4 – 30,0)	IEC 240 – 300 mm ² JIS 200 – 250 mm ²	AEIC 500 – 750 kcmil	IEC 185 – 300 mm ² JIS 150 – 250 mm ²
7695-T-150-3-RJS	150 kV	16.0 (406)	1.18 – 1.52 (30,0 – 38,6)	JIS 300 – 325 mm ²	AEIC 800 – 1000 kcmil	JIS 300 – 325 mm ²
7696-T-150-3-RJS	150 kV	16.0 (406)	1.53 – 1.81 (38,4 – 46,0)	–	–	–

*Note: For Wire or UniShield® shielding, please contact 3M for technical assistance.



Conductor Size Range 100% Insulation Level					
8 kV	10 kV	15 kV	20 kV	25/28 kV	35 kV
AEIC 6 – 4 AWG	–	–	–	–	–
AEIC 2 – 2/0 AWG	IEC 10 – 50 mm ²	IEC 16 – 25 mm ²	–	–	–
AEIC 3/0 AWG – 350 kcmil	IEC 70 – 150 mm ²	IEC 35 – 95 mm ²	–	–	–
AEIC 400 – 600 kcmil	IEC 185 – 300 mm ²	IEC 120 – 185 mm ²	–	–	–
AEIC 700 – 1000 kcmil	–	–	–	–	–
AEIC 2 – 2/0 AWG	IEC 10 – 50 mm ²	IEC 16 – 25 mm ² AEIC 2 – 1 AWG	–	–	–
AEIC 3/0 AWG – 350 kcmil	IEC 70 – 150 mm ²	IEC 35 – 95 mm ² AEIC 1/0 – 4/0 AWG	–	–	–
AEIC 400 – 600 kcmil	IEC 185 – 300 mm ²	IEC 120 – 185 mm ² AEIC 250 – 450 kcmil	–	–	–
AEIC 750 – 1000 kcmil	–	IEC 200 – 325 mm ² AEIC 500 – 750 kcmil	–	–	–
AEIC 3/0 AWG – 350 kcmil	IEC 70 – 150 mm ²	IEC 35 – 95 mm ² AEIC 1/0 – 4/0 AWG	IEC 25 – 70 mm ²	–	–
AEIC 400 – 600 kcmil	IEC 185 – 300 mm ²	IEC 120 – 185 mm ² AEIC 250 – 450 kcmil	IEC 95 – 185 mm ²	–	–
AEIC 750 – 1000 kcmil	–	IEC 200 – 325 mm ² AEIC 500 – 750 kcmil	IEC 240 – 300 mm ²	–	–
AEIC 3/0 AWG – 350 kcmil	IEC 70 – 150 mm ²	IEC 35 – 95 mm ² AEIC 1/0 – 4/0 AWG	IEC 25 – 70 mm ²	AEIC 2 – 1/0 AWG	–
AEIC 400 – 600 kcmil	IEC 185 – 300 mm ²	IEC 120 – 185 mm ² AEIC 250 – 450 kcmil	IEC 95 – 185 mm ²	AEIC 2/0 AWG – 250 kcmil	AEIC 1/0 – 3/0 AWG
AEIC 750 – 1000 kcmil	–	IEC 200 – 325 mm ² AEIC 500 – 750 kcmil	IEC 240 – 300 mm ²	AEIC 300 – 500 kcmil	AEIC 4/0 AWG – 500 kcmil
–	–	–	–	AEIC 750 kcmil	AEIC 500 – 750 kcmil

OUTDOOR

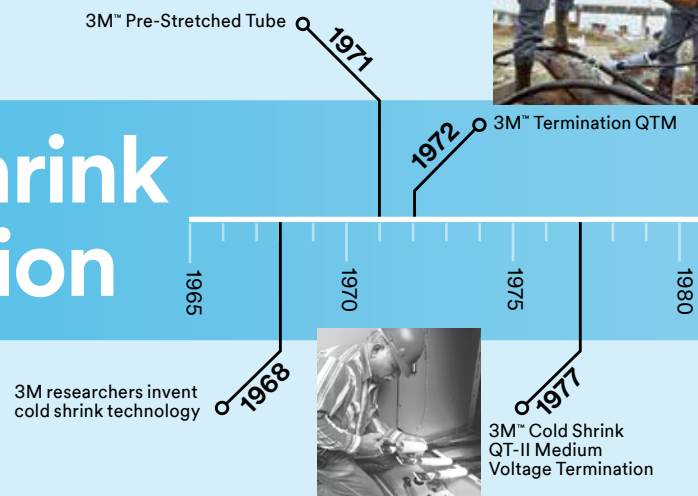
Three Core Termination Kits

3M™ Cold Shrink QT-III Termination Kit 7600-S-3-RJS Series
for 5-35 kV Tape Shield (Armored or Unarmored), Wire Shield*, UniShield®* Cables

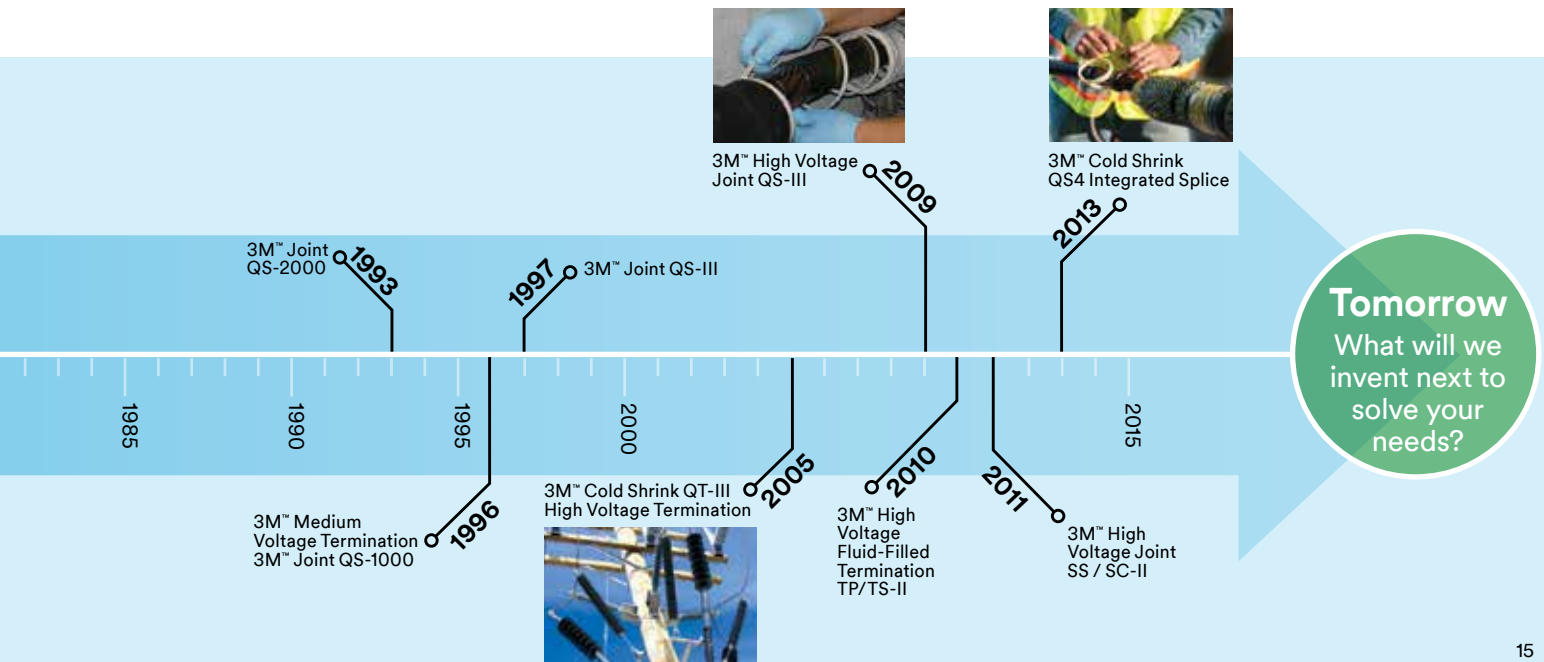
Kit Number	Skirts	BIL	Max. Installed Length Inches (mm)	Cable Insulation O.D. Range Inches (mm)	3.3 kV	5.0 kV	6.6 kV
Outdoor installation environment. For cables with or without ground wires. (Each kit makes one Three Core conductor termination.)							
7620-S-2-3-RJS	2	95 kV	10.5 (267)	0.33–0.50 (8,4–12,7)	IEC 16–35 mm ² JIS 8–22 mm ²	AEIC 8–2 AWG	IEC 16–25 mm ²
7621-S-2-3-RJS	2	95 kV	10.5 (267)	0.50–0.70 (12,7–17,8)	IEC 50–95 mm ² JIS 38–60 mm ²	AEIC 1–3/0 AWG	IEC 35–70 mm ²
7622-S-2-3-RJS	2	110 kV	9.8 (249)	0.70–0.92 (17,8–23,4)	IEC 120–185 mm ² JIS 100–150 mm ²	AEIC 4/0 AWG–400 kcmil	IEC 95–150 mm ² JIS 60–100 mm ²
7691-S-4-3-RJS	4	150 kV	12.25 (311)	0.50–0.70 (12,7–17,8)	IEC 50–95 mm ² JIS 38–60 mm ²	AEIC 1-3/0 AWG	IEC 35–70 mm ²
7692-S-4-3-RJS	4	150 kV	12.25 (311)	0.70–0.92 (17,8–23,4)	IEC 120–185 mm ² JIS 100–150 mm ²	AEIC 4/0 AWG–400 kcmil	IEC 95–150 mm ² JIS 60–100 mm ²
7693-S-4-3-RJS	4	150 kV	12.25 (311)	0.92–1.18 (23,4–30,0)	IEC 240–300 mm ² JIS 200–250 mm ²	AEIC 500–750 kcmil	IEC 185–300 mm ² JIS 150–250 mm ²
7695-S-4-3-RJS	4	150 kV	12.25 (311)	1.18–1.52 (30,0–38,6)	JIS 300–325 mm ²	AEIC 800–1000 kcmil	JIS 300–325 mm ²
7684-S-8-3-RJS	8	200 kV	20.5 (521)	0.92–1.18 (23,4–30,0)	IEC 240–300 mm ² JIS 200–250 mm ²	AEIC 500–750 kcmil	IEC 185–300 mm ² JIS 150–250 mm ²
7685-S-8-3-RJS	8	200 kV	20.5 (521)	1.18–1.52 (30,0–38,6)	JIS 300–325 mm ²	AEIC 800–1000 kcmil	JIS 300–325 mm ²
7686-S-8-3-RJS	8	200 kV	21.5 (546)	1.53–1.81 (38,8–46,0)	–	–	–

*Note: For Wire or UniShield® shielding, please contact 3M for technical assistance.

A History of Cold Shrink Technology Innovation



Conductor Size Range 100% Insulation Level						
8 kV	10 kV	15 kV	20 kV	25/28 kV	30 kV	35 kV
AEIC 6-4 AWG	–	–	–	–	–	–
AEIC 2–2/0 AWG	IEC 10–50 mm ²	IEC 16–25 mm ²	–	–	–	–
AEIC 3/0 AWG–350 kcmil	IEC 70–150 mm ²	IEC 35–95 mm ² AEIC 1/0–4/0 AWG	–	–	–	–
AEIC 2–2/0 AWG	IEC 10–50 mm ²	IEC 16–25 mm ² AEIC 2-1 AWG	–	–	–	–
AEIC 3/0 AWG–350 kcmil	IEC 70–150 mm ²	IEC 35–95 mm ² AEIC 1/0–4/0 AWG	IEC 25–70 mm ²	AEIC 2–1/0 AWG	–	–
AEIC 400–600 kcmil	IEC 185–300 mm ²	IEC 120–185 mm ² AEIC 250–450 kcmil	IEC 95–185 mm ²	AEIC 2/0 AWG–250 kcmil	–	–
AEIC 750–1000 kcmil	–	IEC 200–325 mm ² AEIC 500–750 kcmil	IEC 240–300 mm ²	AEIC 300–500 kcmil	–	–
AEIC 400–600 kcmil	IEC 185–300 mm ²	IEC 120–185 mm ² AEIC 250–450 kcmil	IEC 95–185 mm ²	AEIC 2/0 AWG–250 kcmil	IEC 35-70 mm ²	AEIC 1/0–3/0 AWG
AEIC 750–1000 kcmil	–	IEC 200–325 mm ² AEIC 500–750 kcmil	IEC 240–300 mm ²	AEIC 300–500 kcmil	IEC 95-240 mm ²	AEIC 4/0 AWG–500 kcmil
–	–	–	–	AEIC 750 kcmil	IEC 240-325 mm ²	AEIC 500–750 kcmil



INDOOR

Three Core Termination Kits

3M™ Cold Shrink QT-III Indoor Termination Kit 7600-T-3G Series
for 5-35 kV Tape Shield (Armored or Unarmored), Wire Shield*, UniShield®* Cables

Kit Number	BIL	Max. Installed Length Inches (mm)	Cable Insulation O.D. Range Inches (mm)	Max. Cable O.D. Inches (mm)
Indoor installation environment. For cables with ground wires. (Each kit makes one termination.)				
7620-T-95-3G	95 kV	8.5 (216)	0.33 – 0.50 (8,4 – 12,7)	2.20 (55,9)
7621-T-95-3G	95 kV	8.5 (216)	0.50 – 0.70 (12,7 – 17,8)	2.80 (71,1)
7623-T-95-3G	95 kV	8.5 (216)	0.70 – 0.92 (17,8 – 23,4)	3.30 (83,8)
7624-T-95-3G	95 kV	8.5 (216)	0.92 – 1.18 (23,4 – 30,0)	3.90 (99,1)
7625-T-95-3G	95 kV	8.5 (216)	1.18 – 1.52 (30,0 – 38,4)	4.50 (114,3)
7621-T-110-3G	110 kV	12.0 (305)	0.50 – 0.70 (12,7 – 17,8)	2.80 (71,1)
7622-T-110-3G	110 kV	12.0 (305)	0.70 – 0.92 (17,8 – 23,4)	3.30 (83,8)
7624-T-110-3G	110 kV	12.0 (305)	0.92 – 1.18 (23,4 – 30,0)	3.90 (99,1)
7625-T-110-3G	110 kV	12.0 (305)	1.18 – 1.52 (30,0 – 38,4)	4.50 (114,3)
7693-T-150-3G	150 kV	16.0 (406)	0.70 – 0.92 (17,8 – 23,4)	3.30 (83,8)
7694-T-150-3G	150 kV	16.0 (406)	0.92 – 1.18 (23,4 – 30,0)	3.90 (99,1)
7695-T-150-3G	150 kV	16.0 (406)	1.18 – 1.52 (30,0 – 38,4)	4.50 (114,3)
7696-T-150-3G	150 kV	16.0 (406)	1.53 – 1.81 (38,8 – 46,0)	5.40 (137,2)

*Note: For Wire or UniShield® shielding, please contact 3M for technical assistance.



Conductor Size Range 100% (133%) Insulation Level				
5 kV	8 kV	15 kV	25/28 kV	35 kV
8 – 2 AWG (6 – 4 AWG)	6 – 4 AWG (6 – 4 AWG)	–	–	–
1 – 3/0 AWG (2 – 2/0 AWG)	2 – 2/0 AWG (2 – 2/0 AWG)	–	–	–
4/0 AWG – 350 kcmil (3/0 AWG – 350 kcmil)	3/0 AWG – 350 kcmil (3/0 AWG – 350 kcmil)	–	–	–
400 – 500 kcmil (400 – 500 kcmil)	400 – 500 kcmil (400 – 500 kcmil)	–	–	–
700 – 1000 kcmil (700 – 1000 kcmil)	700 – 1000 kcmil (700 – 1000 kcmil)	–	–	–
1 – 3/0 AWG (2 – 2/0 AWG)	2 – 2/0 AWG (2 – 2/0 AWG)	2 – 1 AWG –	–	–
4/0 AWG – 350 kcmil (3/0 AWG – 350 kcmil)	3/0 AWG – 350 kcmil (3/0 AWG – 350 kcmil)	1/0 – 4/0 AWG (2 – 3/0 AWG)	–	–
400 – 500 kcmil (400 – 500 kcmil)	400 – 500 kcmil (400 – 500 kcmil)	250 – 350 kcmil (4/0 AWG – 350 kcmil)	–	–
700 – 1000 kcmil (700 – 1000 kcmil)	700 – 1000 kcmil (700 – 1000 kcmil)	500 – 750 kcmil (500 – 750 kcmil)	–	–
4/0 AWG – 350 kcmil (3/0 AWG – 350 kcmil)	3/0 AWG – 350 kcmil (3/0 AWG – 350 kcmil)	1/0 – 4/0 AWG (2 – 3/0 AWG)	1 – 1/0 AWG –	–
400 – 500 kcmil (400 – 500 kcmil)	400 – 500 kcmil (400 – 500 kcmil)	250 – 350 kcmil (4/0 AWG – 350 kcmil)	2/0 AWG – 250 kcmil (1 – 4/0 AWG)	1/0 – 3/0 AWG –
700 – 1000 kcmil (700 – 1000 kcmil)	700 – 1000 kcmil (700 – 1000 kcmil)	500 – 750 kcmil (500 – 750 kcmil)	350 – 500 kcmil (250 – 500 kcmil)	4/0 AWG – 500 kcmil (1/0 AWG – 350 kcmil)
–	–	– (1000 kcmil)	750 kcmil (500 – 750 kcmil)	500 – 750 kcmil (350 – 750 kcmil)

INDOOR

Three Core Termination Kits

3M™ Cold Shrink QT-III Indoor Termination Kit 7600-T-3W Series
for 5-35 kV Tape Shield (Armored or Unarmored), Wire Shield*, UniShield®* Cables

Kit Number	BIL	Max. Installed Length Inches (mm)	Cable Insulation O.D. Range Inches (mm)	3.3 kV	5.0 kV
Indoor installation environment. For cables without ground wires. (Each kit makes one Three Core conductor termination.)					
7620-T-95-3W	95 kV	8.5 (216)	0.33 – 0.50 (8,4 – 12,7)	IEC 16 – 35 mm ² JIS 8 – 22 mm ²	AEIC 8 – 2 AWG
7621-T-95-3W	95 kV	8.5 (216)	0.50 – 0.70 (12,7 – 17,8)	IEC 50 – 95 mm ² JIS 38 – 60 mm ²	AEIC 1 – 3/0 AWG
7623-T-95-3W	95 kV	8.5 (216)	0.70 – 0.92 (17,8 – 23,4)	IEC 120 – 185 mm ² JIS 100 – 150 mm ²	AEIC 4/0 AWG – 400 kcmil
7624-T-95-3W	95 kV	8.5 (216)	0.92 – 1.18 (23,4 – 30,0)	IEC 240 – 300 mm ² JIS 200 – 250 mm ²	AEIC 500 – 750 kcmil
7625-T-95-3W	95 kV	8.5 (216)	1.18 – 1.52 (30,0 – 38,6)	JIS 300 – 325 mm ²	AEIC 800 – 1000 kcmil
7621-T-110-3W	110 kV	12.0 (305)	0.50 – 0.70 (12,7 – 17,8)	IEC 50 – 95 mm ² JIS 38 – 60 mm ²	AEIC 1 – 3/0 AWG
7622-T-110-3W	110 kV	12.0 (305)	0.70 – 0.92 (17,8 – 23,4)	IEC 120 – 185 mm ² JIS 100 – 150 mm ²	AEIC 4/0 AWG – 400 kcmil
7624-T-110-3W	110 kV	12.0 (305)	0.92 – 1.18 (23,4 – 30,0)	IEC 240 – 300 mm ² JIS 200 – 250 mm ²	AEIC 500 – 750 kcmil
7625-T-110-3W	110 kV	12.0 (305)	1.18 – 1.52 (30,0 – 38,6)	JIS 300 – 325 mm ²	AEIC 800 – 1000 kcmil
7625-T-125-3W	125 kV	10.5 (267)	1.18 – 1.52 (30,0 – 38,6)	JIS 300 – 325 mm ²	AEIC 800 – 1000 kcmil
7693-T-150-3W	150 kV	16.00 (406)	0.70 – 0.92 (17,8 – 23,4)	IEC 120 – 185 mm ² JIS 100 – 150 mm ²	AEIC 4/0 AWG – 400 kcmil
7694-T-150-3W	150 kV	16.00 (406)	0.92 – 1.18 (23,4 – 30,0)	IEC 240 – 300 mm ² JIS 200 – 250 mm ²	AEIC 500 – 750 kcmil
7695-T-150-3W	150 kV	16.00 (406)	1.18 – 1.52 (30,0 – 38,6)	JIS 300 – 325 mm ²	AEIC 800 – 1000 kcmil

*Note: For Wire or UniShield® shielding, please contact 3M for technical assistance.



Conductor Size Range 100% Insulation Level						
6.6 kV	8 kV	10 kV	15 kV	20 kV	25/28 kV	35 kV
JIS 16 – 25 mm ²	AEIC 6 – 4 AWG	–	–	–	–	–
JIS 35 – 70 mm ²	AEIC 2 – 2/0 AWG	IEC 10 – 50 mm ²	IEC 16 – 25 mm ²	–	–	–
JIS 95 – 150 mm ²	AEIC 3/0 AWG – 350 kcmil	IEC 70 – 150 mm ²	IEC 35 – 95 mm ²	–	–	–
JIS 185 – 300 mm ²	AEIC 400 – 600 kcmil	IEC 185 – 300 mm ²	IEC 120 – 185 mm ²	–	–	–
–	AEIC 750 – 1000 kcmil	–	IEC 200 – 325 mm ²	–	–	–
IEC 14 – 38 mm ² JIS 35 – 70 mm ²	AEIC 2 – 2/0 AWG	IEC 10 – 50 mm ²	IEC 16 – 25 mm ² AEIC 2 – 1 AWG	–	–	–
IEC 60 – 100 mm ² JIS 95 – 150 mm ²	AEIC 3/0 AWG – 350 kcmil	IEC 70 – 150 mm ²	IEC 35 – 95 mm ² AEIC 1/0 – 4/0 AWG	–	–	–
IEC 150 – 250 mm ² JIS 185 – 300 mm ²	AEIC 400 – 600 kcmil	IEC 185 – 300 mm ²	IEC 120 – 185 mm ² AEIC 250 – 450 kcmil	–	–	–
IEC 300 – 325 mm ²	AEIC 750 – 1000 kcmil	–	IEC 200 – 325 mm ² AEIC 500 – 750 kcmil	–	–	–
IEC 300 – 325 mm ²	AEIC 750 – 1000 kcmil	–	IEC 200 – 325 mm ² AEIC 500 – 750 kcmil	IEC 240 – 300 mm ²	–	–
IEC 60 – 100 mm ² JIS 95 – 150 mm ²	AEIC 3/0 AWG – 350 kcmil	IEC 70 – 150 mm ²	IEC 35 – 95 mm ² AEIC 1/0 – 4/0 AWG	IEC 25 – 70 mm ²	AEIC 2 – 1/0 AWG	–
IEC 150 – 250 mm ² JIS 185 – 300 mm ²	AEIC 400 – 600 kcmil	IEC 185 – 300 mm ²	IEC 120 – 185 mm ² AEIC 250 – 450 kcmil	IEC 95 – 185 mm ²	AEIC 2/0 AWG – 250 kcmil	AEIC 1/0 – 3/0 AWG
IEC 300 – 325 mm ²	AEIC 750 – 1000 kcmil	–	IEC 200 – 325 mm ² AEIC 500 – 750 kcmil	IEC 240 – 300 mm ²	AEIC 300 – 500 kcmil	AEIC 4/0 AWG – 500 kcmil

OUTDOOR

Three Core Termination Kits

3M™ Cold Shrink QT-III Outdoor Termination Kit 7600-S-3G Series
for 5-35 kV Tape Shield (Armored or Unarmored), Wire Shield*, UniShield®* Cables

Kit Number	Skirts	BIL	Max. Installed Length Inches (mm)	Insulation O.D. Range Inches (mm)	Max. Cable O.D. Inches (mm)
Outdoor installation environment. For cables with ground wires. (Each kit makes one Three Core conductor termination.)					
7620-S-2-3G	2	95 kV	10.5 (267)	0.33 – 0.50 (8,40 – 12,7)	2.20 (55,9)
7621-S-2-3G	2	95 kV	10.5 (267)	0.50 – 0.70 (12,7 – 17,8)	2.80 (71,1)
7622-S-2-3G	2	110 kV	9.8 (249)	0.70 – 0.92 (17,8 – 23,4)	3.30 (83,8)
7691-S-4-3G	4	150 kV	12.25 (311)	0.50 – 0.70 (12,7 – 17,8)	2.80 (71,1)
7692-S-4-3G	4	150 kV	12.25 (311)	0.70 – 0.92 (17,8 – 23,4)	3.30 (83,8)
7693-S-4-3G	4	150 kV	12.25 (311)	0.92 – 1.18 (23,4 – 30,0)	3.90 (99,1)
7695-S-4-3G	4	150 kV	12.25 (311)	1.18 – 1.52 (30,0 – 38,6)	4.50 (114,3)
7684-S-8-3G	8	200 kV	20.5 (521)	0.92 – 1.18 (23,4 – 30,0)	3.90 (99,1)
7685-S-8-3G	8	200 kV	20.5 (521)	1.18 – 1.52 (30,0 – 38,6)	4.50 (114,3)
7686-S-8-3G	8	200 kV	21.5 (546)	1.53 – 1.81 (38,8 – 46,0)	5.40 (137,2)

3M™ Cold Shrink QT-III Outdoor Termination Kit 7600-S-3W Series
for 5-35 kV Tape Shield (Armored or Unarmored), Wire Shield*, UniShield®* Cables

Kit Number	Skirts	BIL	Max. Installed Length Inches (mm)	Cable Insulation O.D. Range Inches (mm)	3.3 kV	5.0 kV	6.6 kV
Outdoor installation environment. For cables without ground wires. (Each kit makes one Three Core conductor termination.)							
7620-S-2-3W	2	95 kV	10.5 (267)	0.33 – 0.50 (8,40 – 12,7)	IEC 16 – 35 mm ² JIS 8 – 22 mm ²	AEIC 8 – 2 AWG	IEC 16 – 25 mm ²
7621-S-2-3W	2	95 kV	10.5 (267)	0.50 – 0.70 (12,7 – 17,8)	IEC 50 – 95 mm ² JIS 38 – 60 mm ²	AEIC 1 – 3/0 AWG	IEC 35 – 70 mm ²
7622-S-2-3W	2	110 kV	9.8 (249)	0.70 – 0.92 (17,8 – 23,4)	IEC 120 – 185 mm ² JIS 100 – 150 mm ²	AEIC 4/0 AWG – 400 kcmil	IEC 95 – 150 mm ² JIS 60 – 100 mm ²
7691-S-4-3W	4	150 kV	12.25 (311)	0.50 – 0.70 (12,7 – 17,8)	IEC 50 – 95 mm ² JIS 38 – 60 mm ²	AEIC 1 – 3/0 AWG	IEC 35 – 70 mm ²
7692-S-4-3W	4	150 kV	12.25 (311)	0.70 – 0.92 (17,8 – 23,4)	IEC 120 – 185 mm ² JIS 100 – 150 mm ²	AEIC 4/0 AWG – 400 kcmil	IEC 95 – 150 mm ² JIS 60 – 100 mm ²
7693-S-4-3W	4	150 kV	12.25 (311)	0.92 – 1.18 (23,4 – 30,0)	IEC 240 – 300 mm ² JIS 200 – 250 mm ²	AEIC 500 – 750 kcmil	IEC 185 – 300 mm ² JIS 150 – 250 mm ²
7695-S-4-3W	4	150 kV	12.25 (311)	1.18 – 1.52 (30,0 – 38,6)	JIS 300 – 325 mm ²	AEIC 800 – 1000 kcmil	JIS 300 – 325 mm ²
7685-S-8-3W	8	200 kV	21.5 (546)	1.18 – 1.52 (30,0 – 38,6)	JIS 300 – 325 mm ²	AEIC 800 – 1000 kcmil	JIS 300 – 325 mm ²

*Note: For Wire or UniShield® shielding, please contact 3M for technical assistance.

Conductor Size Range 100% (133%) Insulation Level				
5 kV	8 kV	15 kV	25/28 kV	35 kV
8-2 (6-4)	6-4 (6-4)	-	-	-
1-3/0 (2-2/0)	2-2/0 (2-2/0)	2-1	-	-
4/0-350 (3/0-350)	3/0-350 (3/0-350)	1/0-4/0 (2-3/0)	-	-
1-3/0 (2-2/0)	2-2/0 (2-2/0)	2-1	-	-
4/0-350 (3/0-350)	3/0-350 (3/0-350)	1/0-4/0 (2-3/0)	1-1/0	-
400-500 (400-500)	400-500 (400-500)	250-350 (4/0-350)	2/0-250 (1-4/0)	-
700-1000 (700-1000)	700-1000 (700-1000)	500-750 (500-750)	350-500 (250-500)	-
-	-	250-350 (4/0-350)	2/0-250 (1-4/0)	1/0-3/0
-	-	500-750 (500-750)	350-500 (250-500)	4/0-500 (1/0-350)
-	-	(1000)	750 (350-750)	500-750 (350-750)

Conductor Size Range 100% Insulation Level						
8 kV	10 kV	15 kV	20 kV	25/28 kV	30 kV	35 kV
AEIC 6-4 AWG	-	-	-	-	-	-
AEIC 2-2/0 AWG	IEC 10-50 mm ²	IEC 16-25 mm ²	-	-	-	-
AEIC 3/0 AWG-350 kcmil	IEC 70-150 mm ²	IEC 35-95 mm ² AEIC 1/0-4/0 AWG	-	-	-	-
AEIC 2-2/0 AWG	IEC 10-50 mm ²	IEC 16-25 mm ²	-	-	-	-
AEIC 3/0 AWG-350 kcmil	IEC 70-150 mm ²	IEC 35-95 mm ² AEIC 1/0-4/0 AWG	IEC 25-70 mm ²	AEIC 2-1/0 AWG	-	-
AEIC 400-600 kcmil	IEC 185-300 mm ²	IEC 120-185 mm ² AEIC 250-450 kcmil	IEC 95-185 mm ²	AEIC 2/0 AWG-250 kcmil	-	-
AEIC 750-1000 kcmil	-	IEC 200-325 mm ² AEIC 500-750 kcmil	IEC 240-300 mm ²	AEIC 300-500 kcmil	-	-
AEIC 750-1000 kcmil	-	IEC 200-325 mm ² AEIC 500-750 kcmil	IEC 240-300 mm ²	AEIC 300-500 kcmil	IEC 95-240 mm ²	AEIC 4/0 AWG-500 kcmil

INVERTED

Three Core Termination Kits

3M™ Cold Shrink QT-III Inverted Termination Kit 7600-S-INV-3-RJS Series
for 5-25/28 kV Tape Shield (Armored or Unarmored), Wire Shield*, UniShield®* Cables

Kit Number	BIL	Max. Installed Length	Cable Insulation O.D. Range Inches (mm)	3.3 kV	5.0 kV
For cables with or without ground wires. (Each kit makes one Three Core conductor termination.)					
7693-S-4-INV-3-RJS	200 kV	16.0 (406)	0.92 – 1.18 (23,4 – 30,0)	IEC 240 – 300 mm ² JIS 200 – 250 mm ²	AEIC 500 – 750 kcmil
7695-S-4-INV-3-RJS	200 kV	16.0 (406)	1.18 – 1.52 (30,0 – 38,6)	JIS 300 – 325 mm ²	AEIC 800 – 1000 kcmil

3M™ Cold Shrink QT-III Inverted Termination Kit 7600-S-4-INV-3G Series
for 5-25 kV Tape Shield (Armored or Unarmored), Wire Shield*, UniShield®* Cables

Kit Number	BIL	Max. Installed Length Inches (mm)	Cable Insulation O.D. Range Inches (mm)	Cable O.D. Inches (mm)
7693-S-4-INV-3G	200 kV	16.0 (406)	0.92 – 1.18 (23,4 – 30,0)	3.90 (99,1)
7695-S-4-INV-3G	200 kV	16.0 (406)	1.18 – 1.52 (30,0 – 38,6)	4.50 (114,3)

3M™ Cold Shrink QT-III Inverted Termination Kit 7600-S-INV-3W Series - 4 Skirt,
for 5-25/28 kV Tape Shield (Armored or Unarmored), Wire Shield*, UniShield®* Cables

Kit Number	BIL	Max. Installed Length	Cable Insulation O.D. Range Inches (mm)	3.3 kV	5.0 kV
For cables without ground wires. (Each kit makes one Three Core conductor termination.)					
7693-S-4-INV-3W	200 kV	16.0 (406)	0.92 – 1.18 (23,4 – 30,0)	IEC 240 – 300 mm ² JIS 200 – 250 mm ²	AEIC 500 – 750 kcmil
7695-S-4-INV-3W	200 kV	16.0 (406)	1.18 – 1.52 (30,0 – 38,6)	JIS 300 – 325 mm ²	AEIC 800 – 1000 kcmil

*Note: For Wire or UniShield® shielding, please contact 3M for technical assistance.



Caution: Working around energized high-voltage systems may cause serious injury or death. Installation should be performed by personnel familiar with good safety practice in handling high-voltage electrical equipment. De-energize and ground all electrical systems before installing product.

Conductor Size Range 100% Insulation Level					
6.6 kV	8 kV	10 kV	15 kV	20 kV	25/28 kV
JIS 150 – 250 mm ² IEC 185 – 300 mm ²	AEIC 400 – 600 kcmil	IEC 185 – 300 mm ²	IEC 120 – 185 mm ² AEIC 250 – 450 kcmil	IEC 95 – 185 mm ²	AEIC 2/0 AWG – 250 kcmil
JIS 300 – 325 mm ²	AEIC 750 – 1000 kcmil	–	IEC 200 – 325 mm ² AEIC 500 – 750 kcmil	IEC 240 – 300mm ²	AEIC 300 – 500 kcmil

Conductor Size Range 100% (133%) Insulation Level			
5 kV	8 kV	15 kV	25/28 kV
400 – 500 kcmil (400 – 500 kcmil)	400 – 500 kcmil (400 – 500 kcmil)	250 – 350 kcmil (4/0 AWG – 350 kcmil)	2/0 AWG – 250 kcmil (1 – 4/0 AWG)
700 – 1000 kcmil (700 – 1000 kcmil)	700 – 1000 kcmil (700 – 1000 kcmil)	500 – 750 kcmil (500 – 750 kcmil)	350 – 500 kcmil (250 – 500 kcmil)

Conductor Size Range 100% Insulation Level					
6.6 kV	8 kV	10 kV	15 kV	20 kV	25/28 kV
JIS 150 – 250 mm ² IEC 185 – 300 mm ²	AEIC 400 – 600 kcmil	IEC 185 – 300 mm ²	IEC 120 – 185 mm ² AEIC 250 – 450 kcmil	IEC 95 – 185 mm ²	AEIC 2/0 AWG – 250 kcmil
IEC 300 – 325 mm ²	AEIC 750 – 1000 kcmil	–	IEC 200 – 325 mm ² AEIC 500 – 750 kcmil	IEC 240 – 300 mm ²	AEIC 300 – 500 kcmil



Watch our installation video for
3M™ Mechanical Shearbolt Lugs
QL2 Series



www.youtube.com/3melectrical



www.3m.com/electrical

3M is a trademark of 3M Company. UniShield is a registered trademark of General Cable Technologies Corporation.

3M products shown with a flag in this brochure are manufactured in the USA as of October, 2013. 3M products offered on government contracts that require country of origin representation must be certified by 3M Trade Compliance. Contact customer service at 800-245-3573 to request a certificate.

The information in this brochure is accurate, to 3M's knowledge and belief, which may be based on information provided by third party suppliers to 3M.

Important Notice: Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

Warranty; Limited Remedy; Limited Liability. This product will be free from defects in material and manufacture from the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential regardless of the legal theory asserted.**

3M

T&D **THORNE &
DERRICK UK**

Tel: +44 (0)191 490 1547

Fax: +44 (0)191 477 5371

Email: northersales@thorneandderrick.co.uk

Website: www.cablejoints.co.uk

www.thorneandderrick.co.uk