3M™ Cold Shrink Low Voltage Cable Accessories for up to 5 kV Applications

Low voltage splicing, insulating and sealing.

Cold Shrink: How it works.

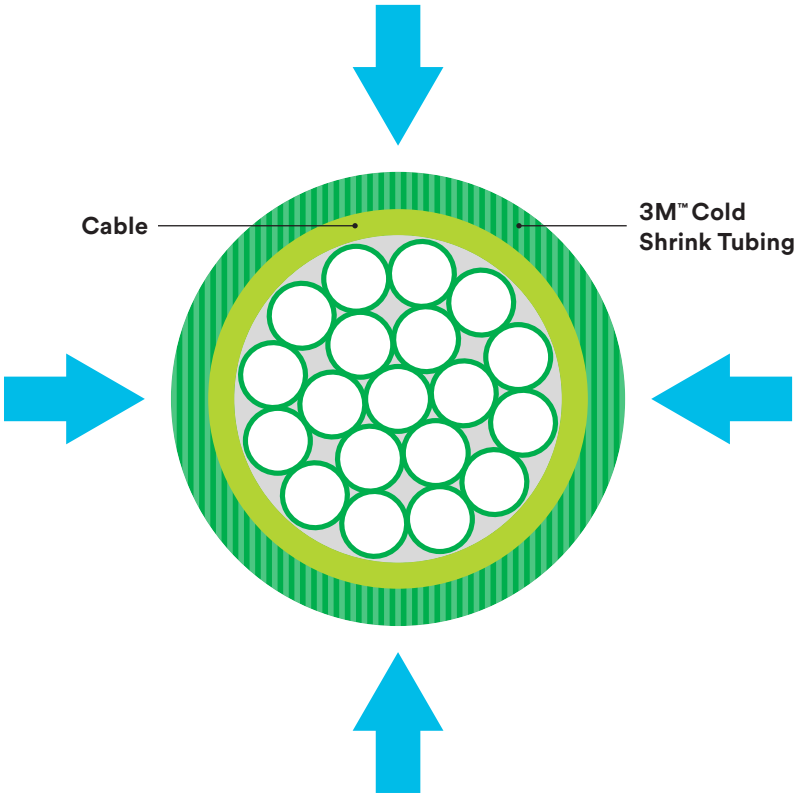
Invented over 40 years ago by 3M, 3M Cold Shrink Technology helps make cable insulating, termination and abandonment simple. The secret of 3M Cold Shrink Technology lies inside it, in the form of a spiral core. After the 3M Cold Shrink Tube has been placed over the joint or cable end, this spiral core is pulled out. The insulating tube then contracts and seals onto the cable, exerting constant radial pressure for the lifetime of the joint or termination.

3M Cold Shrink Tubes are installed easily and reliably without the use of tools (e.g., gas torches or naked flames). The tubes are made from extruded ethylene propylene diene monomer (EPDM) or silicone rubber that are stretched onto a spiral core.

The benefits of 3M Cold Shrink Tubes provide a long-term environmental seal that has high performance even in extreme conditions. The tool-free installation helps installers reduce their downtime, installation time and training requirements.

3M Cold Shrink Tubing preserves an active seal through thermal cycles while maintaining pressure.

- Provides constant, inward pressure
- Allows for expansion and contraction after installation
- Provides a pressure seal, no adhesives needed
- Provides reliable electrical performance due to high interfacial pressure



The benefits of 3M Cold Shrink Technology vs. heat shrink technology:

Reliability

- Easy installation process; no push-on force required
- No specific tools required for accessory installation
- Design can limit the risk of installation mistakes
- No use of flame, less need for polishing and exposure to dust

Larger Range Taking

- Cold shrink technology allows for larger coverage with one accessory
- Use of screw connectors with larger range taking

Reduced Time

- Quicker installation can lead to reduced labor costs

Robust Design

- Constant inward pressure creates a “living seal”

Manufacturing Quality

- Pre-molded bodies
- Splice bodies are 100% factory tested with alternating current (AC) test/partial discharge (PD)

3M Cold Shrink Connector Insulators 8420 and 8430 Series:

Simple installation for harsh areas.

3M Cold Shrink Connector Insulators 8420 and 8430 Series are EPDM, factory-expanded rubber tubes designed with cold shrink technology and loaded on a removable spiral core. Install by hand, with no tools or heat sources, by positioning it over the inline connector, pulling the loose tab on the spiral core while unwinding the core in a counterclockwise direction, allowing the tube to shrink and form a secure seal.

Engineered for primary insulation of solid dielectric insulated wires and cable splices rated up to 1000 V, the insulators can be used for indoor and outdoor applications to provide a water-resistant seal. Offers environmental sealing on terminal lug barrels, conduit coupling, conduit-to-cable breakouts and more. These insulators accommodate a variety of cable sizes and are ideal for direct burial or submersible applications involving communication and other non-electrical operations.

Scan for more details and where to buy.

3M Cold Shrink Connector Insulators 8420 and 8430 Series

Product Features

- Reliable primary insulation for solid dielectric wires and secondary splices rated up to 1000 V
- Excellent wet electrical properties and resists fluid splashes, acids and alkalis
- Made of EPDM rubber, enduring operating temperatures ranging from -40°F to 194°F (-40°C to 90°C)
- Meets the water-resistant requirements of ANSI C-119.1
- Maintains thermal stability, resiliency and pressure for dependable performance

Model #	Catalog ID	Typical conductor size*	Cable OD range	Material	Max. connector length	Relaxed tube length	UPC	MOQ
8423-6	7000058442	6–4 AWG (14–16 mm²)	0.31–0.56 in (7.8–14.2 mm)	EPDM Rubber	2.0 in (50.8 mm)	6.0 in (152 mm)	00054007421467	10
8423-6P	7100164587	6–4 AWG (14–16 mm²)	0.31–0.56 in (7.8–14.2 mm)	EPDM Rubber	2.0 in (50.8 mm)	6.0 in (152 mm)	00054007428640	10
8424-8	7000006124	10–1/0 AWG (6–16 mm²)	0.10–0.82 in (2.5–20.9 mm)	EPDM Rubber	3.0 in (76.2 mm)	8.0 in (203 mm)	00054007423904	10
8424-8P	7010397011	10–1/0 AWG (6–16 mm²)	0.10–0.82 in (2.5–20.9 mm)	EPDM Rubber	3.0 in (76.2 mm)	8.0 in (203 mm)	00054007428657	10
8425-8	7000031605	2–1/0 AWG (35–50 mm²)	0.4–0.82 in (10.1–20.9 mm)	EPDM Rubber	3.0 in (76.2 mm)	8.0 in (203 mm)	00054007423911	10
8425-8P	7010320404	2–1/0 AWG (35–50 mm²)	0.4–0.82 (10.1–20.9 mm)	EPDM Rubber	3.0 in (76.2 mm)	8.0 in (203 mm)	00054007428664	10

*Final determining factors are cable insulation Outside Diameter (OD) and connector dimensions.

3M Cold Shrink Connector Insulators 8420 and 8430 Series (cont.)

Model #	Catalog ID	Typical conductor size*	Cable OD range	Material	Max. connector length	Relaxed tube length	UPC	MOQ
8426-11	7000006133	2/0 AWG–250 kcmil (70–125 mm²)	0.55–1.18 in (13.9–30.1 mm)	EPDM Rubber	7.0 in (177.8 mm)	11.0 in (279 mm)	00054007344582	10
8426-9	7000006132	2/0 AWG–250 kcmil (70–125 mm²)	0.55–1.18 in (13.9–30.1 mm)	EPDM Rubber	5.0 in (127 mm)	9.0 in (229 mm)	00054007344575	10
8426-9M	7000132877	2–4/0 AWG (30–90 mm²)	0.40–1.18 in (10.1–30.1 mm)	EPDM Rubber	5.0 in (127 mm)	9.0 in (229 mm)	00054007434368	10
8426-9P	7010397012	2/0 AWG–250 kcmil (70–125 mm²)	0.55–1.18 in (13.9–30.1 mm)	EPDM Rubber	5.0 in (127 mm)	9.0 in (229 mm)	00054007428671	10
8427-12	7000005943	250–400 kcmil (125–200 mm²)	0.67–1.38 in (16.8–35.1 mm)	EPDM Rubber	8.0 in (203.2 mm)	12.0 in (305 mm)	00054007344599	10
8427-12P	7010349008	250–400 kcmil (125–200 mm²)	0.67–1.38 in (16.8–35.1 mm)	EPDM Rubber	8.0 in (203.2 mm)	12.0 in (305 mm)	00054007428688	10
8427-16	7100010774	250–400 kcmil (125–200 mm²)	0.67–1.38 in (16.8–35.1 mm)	EPDM Rubber	12.0 in (304.8 mm)	16.0 in (406 mm)	00054007344605	10
8427-6	7000132443	N/A	0.67–1.38 in (16.8–35.1 mm)	EPDM Rubber	2.0 in (50.8 mm)	6.0 in (152 mm)	00054007099154	10
8428-12	7000005950	500–800 kcmil (300–400 mm²)	0.95–1.94 in (24.1–49.2 mm)	EPDM Rubber	8.0 in (203.2 mm)	12.0 in (305 mm)	00054007090564	10
8428-12P	7000132745	500–800 kcmil (300–400 mm²)	0.95–1.94 in (24.1–49.2 mm)	EPDM Rubber	8.0 in (203.2 mm)	12.0 in (305 mm)	00054007428695	10
8428-18	7000005944	500–800 kcmil (300–400 mm²)	0.95–1.94 in (24.1–49.2 mm)	EPDM Rubber	14.0 in (356.6 mm)	18.0 in (457 mm)	00054007344612	10
8428-6	7000005997	N/A	0.95–1.94 in (24.1–49.2 mm)	EPDM Rubber	2.0 in (50.8 mm)	6.0 in (152 mm)	00054007099161	10
8428-6M	7100164895	450–800 kcmil (240–400 mm²)	0.95–1.94 in (24.1–49.2 mm)	EPDM Rubber	2.0 in (50.8 mm)	6.0 in (152 mm)	00051128538289	50
8428-8	7100014045	500–800 kcmil (300–400 mm²)	0.95–1.94 in (24.1–49.2 mm)	EPDM Rubber	3.0 in (76.2 mm)	8.0 in (203 mm)	00051128537114	25
8429-12	7000031604	900–1000 kcmil (500 mm²)	1.27–2.67 in (32.2–67.8 mm)	EPDM Rubber	8.0 in (203.2 mm)	12.0 in (305 mm)	00054007423898	10
8429-15	7010418000	900–1000 kcmil (500 mm²)	1.27–2.67 in (32.2–67.8 mm)	EPDM Rubber	11.0 in (279.4 mm)	15.0 in (381 mm)	00054007441984	10
8429-18	7000031458	900–1000 kcmil (500 mm²)	1.27–2.67 in (32.2–67.8 mm)	EPDM Rubber	14.0 in (356.6 mm)	18.0 in (457 mm)	00054007344629	10
8429-6	7000058072	N/A	1.27–2.67 in (32.2–67.8 mm)	EPDM Rubber	2.0 in (50.8 mm)	6.0 in (152 mm)	00054007099178	10
8429-9	7000145516	900–1000 kcmil (500 mm²)	1.27–2.67 in (32.2–67.8 mm)	EPDM Rubber	5.0 in (127 mm)	9.0 in (229 mm)	00054007099314	10
8429-9M	7100164461	900–1000 kcmil (500 mm²)	1.27–2.67 in (32.2–67.8 mm)	EPDM Rubber	5.0 in (127 mm)	9.0 in (229 mm)	00054007420187	10
8430-18	7000031603	1250–2000 kcmil	1.68–3.69 in (42.6–93.7 mm)	EPDM Rubber	14.0 in (356.6 mm)	18.0 in (457 mm)	00054007423881	10

*Final determining factors are cable insulation Outside Diameter (OD) and connector dimensions.

3M Cold Shrink Silicone Insulators 8440 Series:

Engineered to withstand UV and high temperatures.

3M Cold Shrink Connector Insulators 8440 Series are open-ended, factory-expanded silicone rubber tubes designed with cold shrink technology and loaded on a removable spiral core. Install by hand, with no tools or heat sources, by positioning it over the inline connector, pulling the loose tab on the spiral core while unwinding the core in a counterclockwise direction, allowing the tube to shrink and form a secure seal.

Engineered for primary insulation of solid dielectric insulated wires and cable splices rated up to 1000 V, the insulators can be used for indoor and outdoor applications to provide a moisture-resistant seal. Accommodates an application range of 0.35 in (8.86 mm) to 0.95 in (24.13 mm) for installations on 6 AWG to 3/0 AWG, making the insulators ideal for electrical aircraft cables, cable trays or overhead applications, sheath repairs, and secondary splices for both copper and aluminum conductors.

Scan for more details and where to buy.

3M Cold Shrink Silicone Insulators 8440 Series

Product Features

- Reliable primary insulation for solid dielectric wires and secondary splices rated up to 1000 V
- Exceptional thermal stability against UV radiation, moisture, acids and alkalis
- Made of silicone rubber, enduring operating temperatures ranging from -66°F to 500°F (-55°C to 260°C)
- Accommodates an application range of 0.35 in (8.86 mm) to 0.95 in (24.13 mm) for installations on 6 AWG to 3/0 AWG
- Reliable thermal stability, high chemical resistance, fire resistance and secure moisture seal for dependable performance

Model #	Catalog ID	Typical conductor size*	Cable OD range	Material	Relaxed tube length	UPC	MOQ
8443-2	7000058009	6–2 AWG (14–30 mm²)	0.30–0.56 in (7.6–14.2 mm)	Silicone	2.0 in (50.8 mm)	00054007094852	12
8443-6.5	7000058007	6–2 AWG (14–30 mm²)	0.30–0.56 in (7.6–14.2 mm)	Silicone	6.5 in (165.1 mm)	00054007094821	12
8445-2.5	7000005982	2–1/0 AWG (35–50 mm²)	0.37–0.72 in (9.4–18.3 mm)	Silicone	2.5 in (63.5 mm)	00054007094869	12
8445-7.5	7000058008	2–1/0 AWG (35–50 mm²)	0.37–0.72 in (9.4–18.3 mm)	Silicone	7.5 in (190.5 mm)	00054007094838	12
8447-3.2	7000058010	1/0–3/0 AWG (60–80 mm²)	0.49–0.95 in (12.4–24.1 mm)	Silicone	3.2 in (81.28 mm)	00054007094876	12
8447-8	7000031486	1/0–3/0 AWG (60–80 mm²)	0.49–0.95 in (12.4–24.1 mm)	Silicone	8.0 in (203.2 mm)	00054007094845	12

*Final determining factors are cable insulation Outside Diameter (OD) and connector dimensions.

3M Cold Shrink Connector Insulator WF Series:

Ideal for rugged, renewable industry and UL listed.

3M Cold Shrink Connector Insulator WF Series consists of EPDM, factory-expanded, open-ended rubber tubes that utilize cold shrink technology and are mounted on a removable spiral core. Install by hand, with no tools or heat sources, by positioning it over the inline connector, pulling the loose tab on the spiral core while unwinding the core in a counterclockwise direction, allowing the tube to shrink and form a secure seal.

Engineered for primary insulation of solid dielectric insulated wires and cable splices rated up to 2000 V, the insulators provide physical protection for high-voltage, air-insulated connectors and lugs, and can be used for indoor and outdoor applications to provide a moisture-resistant seal. Some of these insulators are UL 486D Listed up to 600 V and ideal for direct burial or submersible applications* involving the insulation of secondary splices, copper and aluminum conductors, service relocation, wind farm tower connections, environmental sealing for communications and more.

*Except the 3M Cold Shrink Connector Insulator WF105

Scan for more details.

3M Cold Shrink Connector Insulator WF Series

Product Features

- Reliable primary insulation for solid dielectric wires and secondary splices rated up to 2000 V
- Excellent wet electrical properties and resists water and the impact of acids and alkalis
- Made of EPDM rubber, enduring operating temperatures ranging from -40°F to 194°F (-40°C to 90°C)
- Meets the water-resistant requirements of ANSI C-119.1
- Maintains thermal stability, resiliency and pressure for dependable performance

Model #	Catalog ID	Typical conductor size**	Cable OD range	Material	Cable insulation OD range	UPC	MOQ
WF100	7100022225	4–2 AWG	0.35–0.56 in (8.9–14.2 mm)	EPDM Rubber	0.35–0.56 in (8.8–14.2 mm)	00051128601457	10
WF101	7100022226	1–2/0 AWG	0.45–0.82 in (11.4–20.8 mm)	EPDM Rubber	0.45–0.82 in (11.4–20.8 mm)	00051128601464	10
WF102	7100022229	3/0 AWG–250 kcmil	0.62–1.18 in (15.7–30.1 mm)	EPDM Rubber	0.62–1.18 in (15.7–29.9 mm)	00051128601471	10
WF103	7100022240	350–500 kcmil	0.88–1.63 in (22.4–41.4 mm)	EPDM Rubber	0.88–1.63 in (22.3–41.4 mm)	00051128595466	10
WF104	7100022241	600–750 kcmil (Al) 600–1000 kcmil (Cu)	1.00–1.94 in (25.4–49.3 mm)	EPDM Rubber	1.0–1.94 in (25.4–49.2 mm)	00051128301488	10
WF105*	7100165527	1000–1500 kcmil (Al) 1000–2000 kcmil (Cu)	1.25–2.50 in (31.75–63.5 mm)	EPDM Rubber	1.25–2.5 in (31.7–63.5 mm)	00051128609316	10

**Final determining factors are cable insulation Outside Diameter (OD) and connector dimensions.

3M Motor Lead Pigtail Splice Kits 5300-5304 Series:

Optimal for copper compression, one-hole lugs.

3M Motor Lead Pigtail Splice Kits 5300-5304 Series are for splicing motor lead cables to incoming feeder cables, including the accommodation of pigtail (stub) connections at 1000 V and less. The splice's main component, the slip-on lug cover, is made from EPDM rubber. Mastic strips are used for the moisture seal. These kits are for use with copper compression, one-hole lugs. After being crimped onto the cables, the lugs are bolted together in a pigtail configuration, then insulated and sealed with the 3M Motor Lead Splicing Kit. Each kit makes three splices and contains the necessary materials (except lugs) needed to make three splices. CSA Certified for motor lead applications up to 600 V. The lugs must be purchased separately.

Scan for more details and where to buy.

3M Motor Lead Pigtail Splice Kits 5300-5304 Series

Product Features

- Splices motor lead cables to incoming feeder cables
- For use with copper compression, one-hole lugs
- Slip-on lug cover is made of durable EPDM rubber
- For pigtail (stub) connections at 1000 V or less
- Includes three each of pigtail lug covers, mastic sealing strips and tubes of silicone grease, plus an instruction sheet
- CSA Certified and RoHS 2011/65/EU Compliant

Model #	Catalog ID	Feeder cable wire range*	Cable OD range	Material	Motor lead cable wire range*	Lug cover ID	Lug cover length	UPC	MOQ
5300	7000005804	14–10 AWG	0.12–0.21 in (3.0–5.3 mm)	EPDM Rubber	12–12 AWG	0.45 in (11.4 mm)	2.1 in (53.3 mm)	00054007083177	1
5301	7000005805	10–4 AWG	0.17–0.36 in (4.3–9.1 mm)	EPDM Rubber	12–4 AWG	0.70 in (17.7 mm)	3.4 in (86.3 mm)	00054007122630	1
5302	7000005806	2–1/0 AWG	0.34–0.54 in (8.6–13.7 mm)	EPDM Rubber	4–1/0 AWG	0.95 in (24.3 mm)	4.2 in (106.6 mm)	00054007122647	1
5303	7000005807	1/0 AWG–250 kcmil	0.40–0.80 in (10.2–20.3 mm)	EPDM Rubber	2 AWG–250 kcmil	1.2 in (30.4 mm)	5.3 in (134.6 mm)	00054007122654	1
5304	7000005808	4/0 AWG–500 kcmil	0.67–1.05 in (17.0–26.7 mm)	EPDM Rubber	4/0 AWG–500 kcmil	1.7 in (43.1 mm)	6.7 in (170.1 mm)	00054007122661	1

*Final determining factors are cable insulation Outside Diameter (OD) and connector dimensions.

3M Motor Lead Inline Splice Kits 5311–5314 Series:

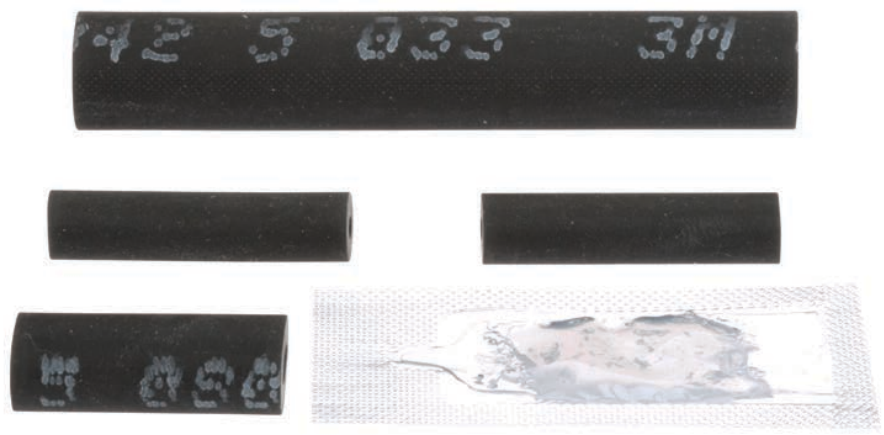
Designed for extreme industrial environments.

3M Motor Lead Inline Splice Kits 5311–5314 Series are for splicing motor lead cables to incoming feeder cables, including the accommodation of inline connections at 1000 V and less. The splice's main component, the slip-on splice cover, is made from EPDM rubber. A mastic strip is used for the moisture seal.

Each kit contains three adapter sleeves, an inline splice cover, a silicone grease tube and an instruction sheet. It is for use with copper compression, one- or two-hole lugs (sold separately). Its slip-on splice cover has a durable EPDM rubber construction while the mastic strips in the kit seal out moisture. After being crimped onto the cables, use this kit to insulate and seal the lugs that are bolted together in an inline configuration. CSA Certified for motor lead applications up to 600 V.

Scan for more details and where to buy.

3M Motor Lead Inline Splice Kits 5311–5314 Series



Product Features

- For use with copper compression, one- or two-hole lugs
- Durable EPDM rubber construction
- CSA Certified and RoHS 2011/65/EU Compliant.

Model #	Catalog ID	Feeder cable wire range*	Cable OD range	Material	Motor lead cable wire range*	Splice cover length	UPC	MOQ
5311	7100017508	10–4 AWG	0.17–0.36 in (4.3–9.1 mm)	EPDM Rubber	12–4 AWG	4–5 in (101–127 mm)	00054007122678	1
5312	7000132309	2–1/0 AWG	0.34–0.54 in (8.6–13.7 mm)	EPDM Rubber	4–1/0 AWG	8–9 in (203–228 mm)	00054007122685	1
5313	7000132310	1/0 AWG–250 kcmil	0.40–0.80 in (10.2–20.3 mm)	EPDM Rubber	2 AWG–500 kcmil	9–10 in (228–254 mm)	00054007122692	1
5314	7000148830	250–500 kcmil	0.67–1.05 in (17.0–26.7 mm)	EPDM Rubber	4/0 AWG–500 kcmil	12–13 in (304–330 mm)	00054007122708	1

*Final determining factors are cable insulation Outside Diameter (OD) and connector dimensions.

3M Cold Shrink Quick Insulators QI Series:

Equipped for large range taking ability.

3M Cold Shrink Quick Insulator QI Series consists of open-ended and factory-expanded tubular rubber sleeves that feature sealing mastic on each end loaded on a removable spiral core. Install by hand, with no tools or heat sources, by positioning it over the inline connector, pulling the loose tab on the spiral core while unwinding the core in a counterclockwise direction, allowing the tube to shrink and form a secure seal. The core and tube sizing, combined with sealing mastic at each end, allow for a broader application range while preserving the seal and insulation properties of the EPDM rubber tube.

For primary insulation of solid dielectric insulated wires and cable splices rated up to 1000 V, the insulators allow for direct burial or submersible applications, providing reliable thermal stability, high chemical resistance and a water-resistant seal. These insulators are ideal for dig-in and sheath repairs, inline conductor transition connectors, and secondary splices for both copper and aluminum conductors.

Scan for more details and where to buy.

3M Cold Shrink Quick Insulators QI Series

Product Features

- Reliable primary insulation for solid dielectric wires and secondary splices rated up to 1000 V
- Excellent wet electrical properties and resists water, acids and alkalis
- Made of EPDM rubber, enduring operating temperatures ranging from -40°F to 194°F (-40°C to 90°C)
- Meets the water-resistant requirements of ANSI C-119.1
- Maintains thermal stability, high chemical resistance, resiliency and pressure for dependable performance

Model #	Catalog ID	Typical size range* (Al connector)	Typical size range* (Cu connector)	Cable OD range	Material	UPC	MOQ
QI 5/16-220	7100019552	8–1/10 AWG	8–2/0 AWG	0.20–0.65 in (5.1–16.5 mm)	EPDM Rubber	00051128577509	10
QI-6-4/0-9-(M)	7100165578	6–4/0 AWG	6–4/0 AWG	0.23–1.25 in (6–31 mm)	EPDM Rubber	00051128612620	50
QI 10/37-270	7000133177	2 AWG–500 kcmil	2 AWG–750 kcmil	0.40–1.45 in (10.2–36.8 mm)	EPDM Rubber	00051128576984	10
QI 18/57-325	7000133178	250–1250 kcmil	250–1250 kcmil	0.71–2.25 in (18.0–57.2 mm)	EPDM Rubber	00051128577516	10
QI-20/44-195-S	7100165228	2–4/0 AWG	2–4/0 AWG	0.75–1.75 in (20–44 mm)	EPDM Rubber	00051128586020	10
QI-34/88-220-S	7100165229	500–1000 kcmil	500–1000 kcmil	1.3–3.5 in (34–88 mm)	EPDM Rubber	00051128586037	10

*Final determining factors are cable insulation Outside Diameter (OD) and connector dimensions.

3M Cold Shrink Quick Splice Kits QSLV-M Series:

Unique three-core system for odd-shaped connectors.

3M Cold Shrink Quick Splice Kits QSLV-M Series are open-ended tubular rubber sleeves with sealing mastic on each end which are factory expanded and assembled onto an innovative three-core system.

Two cores, one on each end, are removed from the 3M Cold Shrink Quick Splice Kits QSLV-M Series insulator once it has been centered over an inline connector, allowing the tube to shrink and form a water-resistant seal. The third, center segment of the core remains inside the cold shrink tube, acting as a support structure. Sizing of the cores and tube, along with the sealing mastic on each end, accommodates the variance in connectors and connector crimping techniques and final dimensions without degrading the seal and insulating characteristics of the EPDM rubber tube, while also making core removal easy. Diameter sizes cover a range of 1 kV or less cable from 8 AWG through 1000 kcmil for copper and 8 AWG through 500 kcmil for aluminum conductors with crimped connectors. In aerial applications where intense UV radiation will be common and visual inspection is not possible, it is recommended to overwrap the tubing with Scotch® Super 33+™ Vinyl Electrical Tape or Scotch® Self-Fusing Silicone Rubber Electrical Tape 70.

Scan for more details and where to buy.

3M Cold Shrink Quick Splice Kits QSLV-M Series

Product Features

- Sleeve is made of EPDM rubber with sealing mastic to provide a water-resistant seal
- The third, center segment of the core remains inside the cold shrink tube, acting as a support structure
- Open-ended tubular sleeves with a sealing mastic on each end for range taking and water-resistant tight seal
- Factory-expanded for easy installation
- For direct-bury, secondary low-voltage, non-shielded cable splices
- Rated for up to 1 kV applications
- Splices both aluminum and copper conductors
- Simple installation which requires no tools
- Offers excellent wet electrical properties and resists water, acids and alkalis
- Withstands temperatures of -40°F to 194°F (-40°C to 90°C)
- RoHS 2011/65/EU Compliant and ANSI Certified
- Environmental sealing for communication and other non-electrical applications

Model #	Catalog ID	Cable OD range	Material	Cable size range*	Max. connector OD	UPC	MOQ
QSLV-M 8-2/0	7000058804	0.20–0.75 in (5–19 mm)	EPDM Rubber	8–2/0 AWG	0.687 in (17 mm)	00051128572368	10
QSLV-M 2-500	7000058805	0.40–1.60 in (10–41 mm)	EPDM Rubber	2 AWG–500 kcmil	1.500 in (38 mm)	00051128572375	10
QSLV-M 2-500	7100165125	0.40–1.60 in (10–41 mm)	EPDM Rubber	2 AWG–500 kcmil	1.500 in (38 mm)	00051128572696	50
QSLV-M-UF	7100165408	0.40–1.60 in (10–41 mm)	EPDM Rubber		1.500 in (38 mm)	00051128602867	10

*Final determining factors are cable insulation Outside Diameter (OD) and connector dimensions.

3M Cold Shrink End Caps EC Series:

Seal against some of the harshest conditions.

3M Cold Shrink End Caps EC Series are close-ended, tubular rubber sleeves that are factory expanded and loaded onto a removable core. When positioned over the end of a cable or other cylindrical object, the core is removed to provide a reliable environmental seal. Different end caps are available to accommodate a wide range of sizes.

3M Cold Shrink End Caps EC Series accommodate cables, pipes and other cylindrical objects of a wide range of sizes. They offer good resistance to abrasion, water, acids, alkalis and ozone to provide long-lasting usage. The cap is factory expanded and loaded onto a removable core. It provides reliable water resistance once the core is removed, and it is positioned over the end of a cable or other cylindrical object. Installation does not require any tools or tapes/mastics and the 3M Cold Shrink End Cap is easily removable.

Scan for more details and where to buy.

3M Cold Shrink End Caps EC Series

Product Features

- Close-ended, EPDM tubular rubber sleeves that are loaded onto a removable core
- Resists water, alkalis, acids, abrasion and ozone
- Water resistant and provides physical protection for cables and pipes
- Made of EPDM rubber
- Simple and fast installation without tools
- RoHS 2011/65/EU Compliant

Model #	Catalog ID	Cable OD range	Material	UPC	MOQ
EC-1	7100017415	0.46–0.82 in (11.6–20.9 mm)	EPDM Rubber	00051128583883	10
EC-2	7000133235	0.63–1.18 in (15.9–30.1 mm)	EPDM Rubber	00051128583890	10
EC-3	7100135167	1.02–1.94 in (26.0–49.2 mm)	EPDM Rubber	00051128583906	10
EC-4	7100017443	1.79–3.32 in (45.5–84.3 mm)	EPDM Rubber	00051128583913	10

3M Cold Shrink Corrosion Protection Kits CPT Series:

Protection in wet and salty conditions.

3M Cold Shrink Corrosion Protection Kits CPT Series provide a quick and easy method for protecting bulkhead termination connectors from the corrosive influences of wet and salt-fog installation environments.

3M Cold Shrink Corrosion Protection Kits CPT Series are open-ended tubular rubber sleeves that are factory expanded and assembled onto a removable core. The core is removed after the assembly has been positioned for installation over a bulkhead terminator connector. Mastic strips are provided for sealing between National Pipe Thread (NPT) fitting threads and the enclosure in use (junction box, cabinet, panel board, etc.). The insulating sleeves are made of an EPDM rubber.

Scan for more details and where to buy.

3M Cold Shrink Corrosion Protection Kits CPT Series

Product Features

- Provides protection for bulkhead termination connectors
- Offers protection from wet and salt-fog installation environments
- Ideal for use in standard and hazardous locations
- Insulator is formulated with EPDM rubber
- Provides tight sealing between NPT fitting threads and the enclosure using mastic strips
- Includes an insulator assembly, mastic seal strip pack and instruction sheet

Model #	Catalog ID	Cable OD range	Material	Max. connector installed length	UPC	MOQ
CPT-1/2	7000006139	0.50–1.60 in (12.7–40.6 mm)	EPDM Rubber	4.45 in (114.3 mm)	00054007430216	10
CPT-3/4	7000006140	0.66–1.90 in (16.8–48.3 mm)	EPDM Rubber	4.80 in (121.93 mm)	00054007430223	10
CPT-3	7000006141	2.60–5.40 in (66.0–137.2 mm)	EPDM Rubber	10.50 in (266.7 mm)	00054007430285	10
CPT-4	7000006142	2.90–6.00 in (73.7–152.4 mm)	EPDM Rubber	13.00 in (330.2 mm)	00054007430308	10
CPT-1 1/2	7000021422	1.40–3.00 in (35.6–76.2 mm)	EPDM Rubber	5.50 in (139.7 mm)	00054007430254	10
CPT-2	7000021423	1.68–3.60 in (42.7–91.4 mm)	EPDM Rubber	6.50 in (165.1 mm)	00054007430261	10
CPT-1 1/4	7000132762	1.22–2.65 in (31.0–67.3 mm)	EPDM Rubber	4.80 in (121.9 mm)	00054007430247	10
CPT-1	7100003712	0.66–2.20 in (16.8–55.9 mm)	EPDM Rubber	4.80 in (121.9 mm)	00054007430230	10
CPT-2 1/2	7100007253	1.97–4.30 in (50.0–109.2 mm)	EPDM Rubber	8.50 in (215.9 mm)	00054007430278	10
CPT-3 1/2	7100008234	2.90–6.00 in (73.7–152.4 mm)	EPDM Rubber	13.50 in (342.9 mm)	00054007430292	10

3M Cold Shrink Inline Splice Kits 5730 Series:

Designed for use with 3C armor power cable.

3M Cold Shrink Inline Splice Kits 5730 Series are applicable for indoor and outdoor installations, including direct burial, aerial and submersible applications.

Each 3M Cold Shrink Inline Splice Kit 5730 Series requires at least one roll of 3M™ Sheath Wrap. For use with 3/C or 4/C Armor Power Cable (Teck-90) up to 1000 V. 3M™ 3/C Armored Power Cable 5730 Series accommodates a full range of cable sizes from 14 AWG–750 kcmil. The overall jacket diameter ranges from 0.62–4.00 inches (16–102 mm).

Notes: Connectors are not included in the kit. Use only CSA certified compression connectors. Vinyl or nylon butt connectors are preferred for 3M Cold Shrink Inline Splice Kits 5730 and 5731 Series. Amount of 3M Sheath Wrap needed is based on two half-lapped layers and 15 foot (4.57 m) rolls.

Scan for more details and where to buy.

3M Cold Shrink Inline Splice Kits 5730 Series

Product Features

- For use with armor power cable
- Used for indoor and outdoor installations
- For use in aerial, direct-burial and submersible applications
- Rated for up to 1 kV applications
- Includes one pre-stretched jacket tube, constant force springs, shielding tape 24 strips and one copper shielding sleeve
- CSA Certified (when used with a CSA certified compression connector) and RoHS 2011/65/EU Compliant

Model #	Catalog ID	Voltage	Cable OD range	Material	Conductor size*	Number of conductors	UPC	MOQ
5730	7000031620	0–600 V	0.62–1.00 in (15.7–25.4 mm)	EPDM Rubber	10 AWG	3.0	00054007431718	1
5731	7000031621	0–600 V	0.95–1.40 in (24.1–35.6 mm)	EPDM Rubber	4 AWG	3.0	00054007431725	1
5732	7000031622	0–1000 V	0.95–2.40 in (24.1–61.0 mm)	EPDM Rubber	1/0 AWG	3.0	00054007431732	1
5733	7000031623	0–1000 V	1.15–3.30 in (29.2–83.8 mm)	EPDM Rubber	250 kcmil	3.0	00054007431749	1
5734	7000031624	0–1000 V	1.55–4.00 in (39.4–101.6 mm)	EPDM Rubber	500 kcmil	3.0	00054007431756	1
5735	7000132772	0–1000 V	1.55–4.00 in (39.4–101.6 mm)	EPDM Rubber	750 kcmil	3.0	00054007431763	1
5730C/A	7000134400	0–1000 V	0.62–1.00 in (15.7–25.4 mm)	EPDM Rubber	14–10 AWG	3.0	50051141046254	1
5732C/AC	7000134401	0–600 V	0.95–1.40 in (24.1–35.6 mm)	EPDM Rubber	8–4 AWG	3.0	00051141046266	1
5731C/AC	7000134402	0–1000 V	0.95–1.40 in (24.1–35.6 mm)	EPDM Rubber	8–4 AWG	3.0	50051141046278	1
5733C/AC	7000134403	0–1000 V	1.14–3.31 in (28.9–84.0 mm)	EPDM Rubber	2/0 AWG, 250 kcmil	3.0	50051141046285	1
5734C/AC	7000134404	0–1000 V	1.55–4.00 in (39.4–101.6 mm)	EPDM Rubber	250–500 kcmil	3.0	50051141046292	1
5735C/AC	7100025263	0–1000 V	1.55–4.00 in (39.4–101.6 mm)	EPDM Rubber	500–750 kcmil	3.0	00689330110186	1

*Final determining factors are cable insulation Outside Diameter (OD) and connector dimensions.

As cable accessory experts, we can help you make the change to 3M™ Cold Shrink Technology.

Even the most advanced technology needs to be matched to the application and correctly installed. Experts from 3M are available to suggest options for you to evaluate and help select a solution optimized for your requirements.

50+ years

For over 50 years, 3M has been providing dependable solutions for low and medium voltage installations.

As the voltage class increases, so do the challenges faced on the job site.

All 3M low voltage cable accessories are backed by a global network of technical support, sales and supply chain specialists.

Offering more than low voltage cable accessories, 3M provides reliable solutions with a consistent track record around the globe. Every pre-molded component (joint body and stress cone) is 100% electrical factory tested and every solution is backed by the strong 3M reputation. Collaborate with a company you can trust as you manage the energy transition.

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