



Cold Shrink Tubes & End Caps



CABLE JOINTS, CABLE TERMINATIONS, CABLE GLANDS, CABLE CLEATS
FEEDER PILLARS, FUSE LINKS, ARC FLASH, CABLE ROLLERS, CUT-OUTS

11KV 33KV CABLE JOINTS & CABLE TERMINATIONS
FURSE EARTHING
www.cablejoints.co.uk
Thorne and Derrick UK

Tel 0044 191 490 1547 Fax 0044 191 477 5371
Tel 0044 117 977 4647 Fax 0044 117 9775582

Developed by 3M, the unique "Cold Shrink" product range is designed to make insulating as simple as possible. The E.P.D.M or silicone rubber is pre-stretched, and loaded onto a removable core. Cold Shrink products require no heat, and no tools to install. Once installed, a constant radial pressure is exerted, ensuring superior

electrical and mechanical performance.

Cold Shrink tubes are available to accommodate a wide range of cable sizes, and are water resistant to 2 bar.

With 20 years of proven field history, 3M Cold Shrink products will retain performance and resiliency for the life of the cable.



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Features

- Provides constant radial pressure
- Provides a pressure seal without adhesive
- Allows for expansion and contraction after installation
- No heat required
- No special tools required
- Easy to install
- Reduction of installation time
- Provides consistent installation
- Quality - long term reliability
- Fits over a wide application range
- Moisture resistant
- Available in EPDM rubber and silicone
- Meets worldwide standards ANSI, IEEE, VDE, JCAA, REA & CSA

Application

- Primary insulation for all solid dielectric insulated wire and cable splices up to 1000 volts
- Directly buriable or submersible
- Indoor, Outdoor or Overhead use
- Physical protection and moisture sealing for high voltage, air insulated connectors & lugs
- Sheath Repairs
- Electrical Aircraft cables

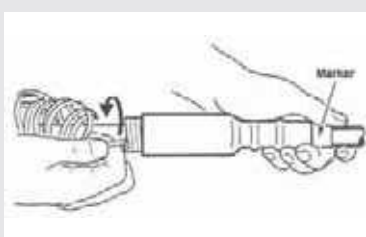
3M™ Cold Shrink Pre-stretched Tubes - EPDM Rubber

3M Brand PST Cold Shrink Connector Insulators are a series of open-ended, tubular rubber sleeves, which are factory expanded and assembled onto a removable core. They are supplied for field installation in this pre-stretched condition. The core is removed after the tube has been positioned for installation over an inline connection, terminal lug, etc., allowing the tube to shrink and form a waterproof seal - No torches or heat required



Selection Table

	MIN DIAMETER (mm)	MAX DIAMETER (mm)	LENGTH (mm)
8423-6	7.8	14.3	152
8425-8	10.2	20.8	203
8426-9	13.0	25.4	229
8426-11	13.0	25.4	279
8427-6	17.5	33.0	152
8427-12	17.5	33.0	305
8427-16	17.5	33.0	406
8428-6	24.0	49.3	152
8428-12	24.0	49.3	305
8428-18	24.0	49.3	609
8429-6	32.2	67.8	152
8429-9	32.2	67.8	229
8429-12	32.2	67.8	305
8429-18	32.2	67.8	457
8430-9	42.6	93.7	229
8430-18	42.6	93.7	457



The insulating tube is made of EPDM rubber, which contains no chlorides or sulphurs.

Six diameter sizes will cover a range of 1000-volt cables, suitable for both copper and aluminium conductors



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3M™ Cold Shrink Pre-stretched Tubes - Silicone Rubber

3M Brand 8440 Series Cold Shrink Lug and Connector Insulators are open ended, silicone rubber, tubular sleeves. The sleeves are factory expanded and assembled on a removable supporting plastic core. Each rubber assembly is supplied for field installation in the pre-stretched condition. As the core is unwound, the insulating sleeve shrinks to form a tight seal.

PART NO.	CABLE RANGE (mm ²)	APPLICATION RANGE (mm)		DIMENSIONS (mm)	
		Min. Dia. for Seal	Max. Dia. for Insulator Covers	(A) Length	(B) ID
8443-2	10 - 35	6.86	14.22	29.2 - 39.6	17.3
8443-6.5	10 - 35	6.86	14.22	119 - 140	17.3
8445-2.5	35 - 50	8.89	18.29	30.5 - 48	21.3
8445-7.5	35 - 50	8.89	18.29	132 - 152	21.3
8447-3.2	50 - 70	12.19	24.13	48.3 - 64	27.2
8447-8	50 - 70	12.19	24.13	147 - 175	27.2

3M™ Extension Foam – P84

P84 Cold Shrink diameter extension foam increases the diameter of cables or tubes making the use of standard Cold Shrink tubes possible when the shrink ratio cannot normally be met. This is accomplished by wrapping the foam around the cable or tube.

The foam is coated with double-sided 3M transfer tape to stick the foam to the cable or tube. It builds up a diameter to ensure the sealing when a cold shrink tube is applied.

Product No.	Use range (mm)
EC-1	11.6 - 20.9
EC-2	15.9 - 30.1
EC-3	26.0 - 49.2
EC-4	45.5 - 84.3

3M™ Cold Shrink End Caps

3M Cold Shrink End Caps environmentally seal and mechanically protect exposed cable ends using no tools, mastics or tapes. They 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 seal that protects your cable ends from environmental damage. (i.e. moisture, contamination, corrosion, ozone, ultra-violet and radiation).

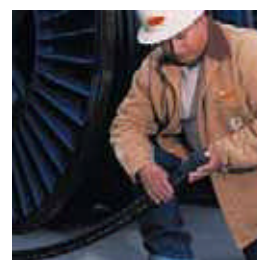
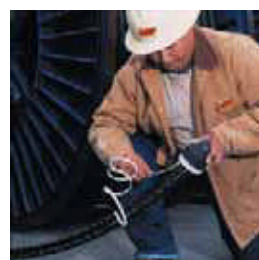
They are easily installed and cleanly removable, there are four different end caps available to accommodate a wide range of sizes.

Features

- Simple & fast installation – no tools required
- Wide range of cable sizes accommodated
- Good abrasion resistance
- Seals tight – retains resiliency & pressure after prolonged ageing & exposure
- Water-resistant
- No heat required
- Resistant to acid, alkalis, fungus, ozone, UV
- Easily removed

Applications

Cable protection from exposure to moisture, contamination, corrosion, ozone, UV radiation, and other environmental hazards



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