

New!

3M™ Cold Shrink Joints and Terminations For High Voltage Applications



Your Trusted Connection

**The proven performance of
3M Cold Shrink technology – now
available for 69kV (IEEE)/72.5kV (IEC)
underground cable applications**

- Faster, simpler installation
- Proven solutions – proven technology
- Global technical support and training

3M

Engineered for fast, economical installation –



3M Cold Shrink technology has been used by the power industry for nearly 40 years, providing dependable, time-saving solutions for low to medium voltage installations. Now, this proven technology has been adapted for use in 69kV (IEEE)/72.5kV (IEC) underground cable installations.

3M™ Cold Shrink Termination Kits QT-III and Joint Kits QS-III are designed to provide high reliability and save you time and money.

They install quickly and easily, helping to reduce potential craft errors. They require no tools, sealants, adhesives, torches or other heat sources.

Once installed, the cold shrink tube creates a dynamic, compressive environmental seal and electrical interface without sealants or adhesives. It resists ultra-violet radiation, ozone and industry-approved cable cleaners.

We're with you in the trenches

Even the most innovative technology will have little benefit, unless it is matched to the application and correctly applied. That's why all 3M cable accessories are backed by a global network of technical support, sales and supply chain specialists. Their expertise is always available to help suggest alternatives for you to evaluate and select a solution optimized for your requirements – with training, installation assistance, custom configurations and more.

Termination Kits

3M™ Cold Shrink Termination Kits contain everything you need to terminate 69kV (IEEE)/72.5kV (IEC) solid dielectric, tape, longitudinally corrugated (LC/HSG) jacketed concentric neutral (JCN), tape-over-wire (TOW) or wire-over-tape (WOT) cable. Conductor size range is 250–2000 kcmil (120–1000mm²).

Features

- Light weight
- Consistent and safe installation
- No special tools or flame required
- Kit covers wide range of cable sizes and types

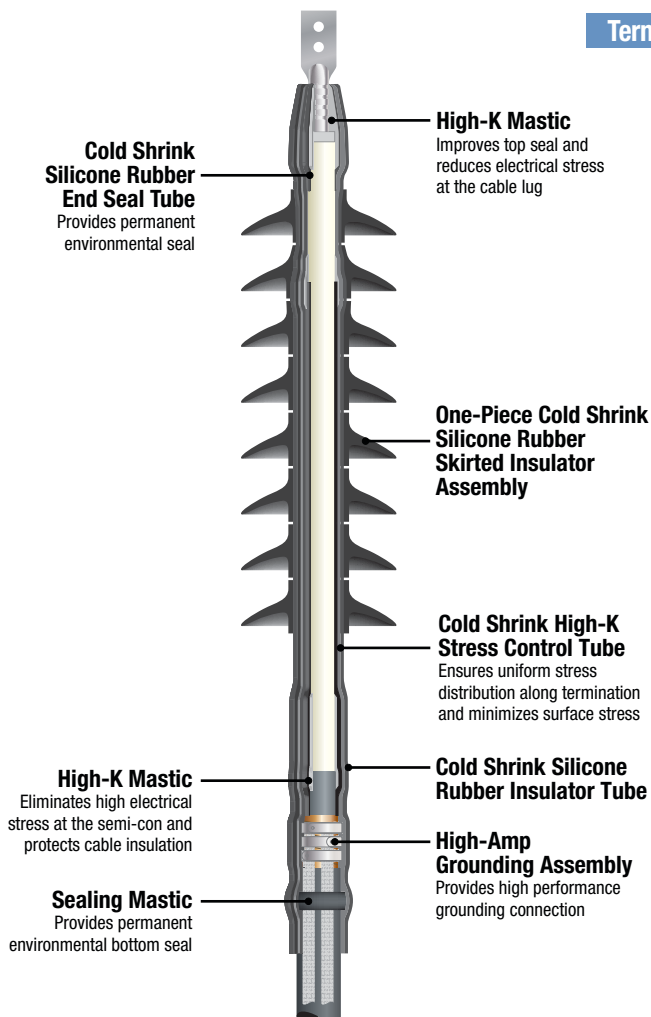
Certifications

The QT-III termination for 69kV (IEEE)/72.5kV (IEC) meets or exceeds the requirements of:

- IEEE 48, Class 1, for 69kV
- IEC 60840 for 72,5kV

Applications

- Designed to terminate 69kV (IEEE)/72.5kV (IEC) power cables
- Covers conductor ranges up to 2000 kcmil (1000 mm²)
- Designed for polymeric insulated cables



dependable, trouble-free performance

Joint Kits

These 3M™ Cold Shrink Joint Kits QS-III contain a 69kV (IEEE)/72.5kV (IEC) class joint for connecting jacketed concentric neutral (JCN), tape-shield, longitudinally-corrugated (LC) shield, tape-over-wire (TOW) or wire-over-tape (WOT) shielded power cables. The cold shrink joint body consists of a one-piece molded design made of specially formulated silicone rubbers, while the cold shrink jacketing is made of EPDM rubber for physical protection. Kits are delivered with a range taking shear bolt connector that fits both aluminum and copper cable conductors.

Features

- One-piece cold shrink joint body
- Each joint body is 100% factory tested, for greater reliability and longer service life
- No special tools or flame required
- Shear bolt connector included
- Kit covers wide range of cable sizes and types

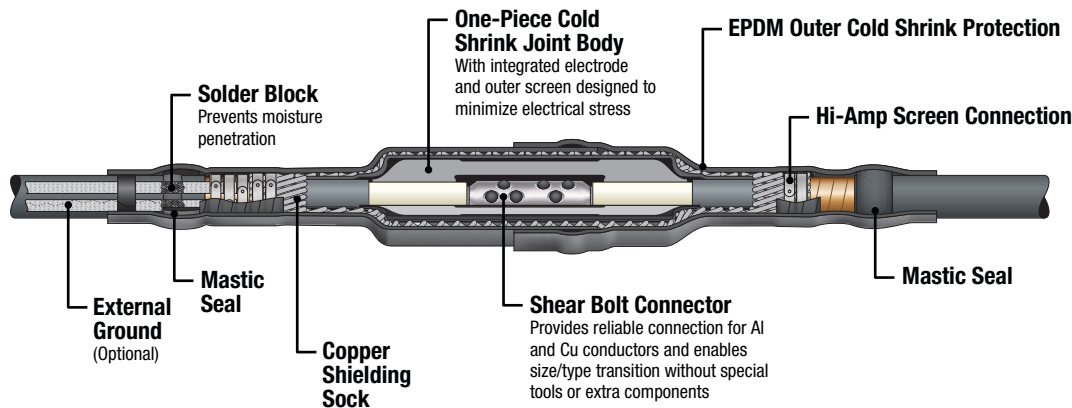
Applications

- Designed to connect 69-72.5kV power cables
- Covers conductor ranges up to 2000 kcmil (1000 mm²)
- Designed for polymeric insulated cables
- Covers inline and crossbond splicing
- Suitable for cable size and type transitions

Certifications

The QS-III joint for 69/72, 5kV meets or exceeds the requirements of:

- IEEE 404, for 69kV
- IEC 60840 for 72,5kV



Ordering Information

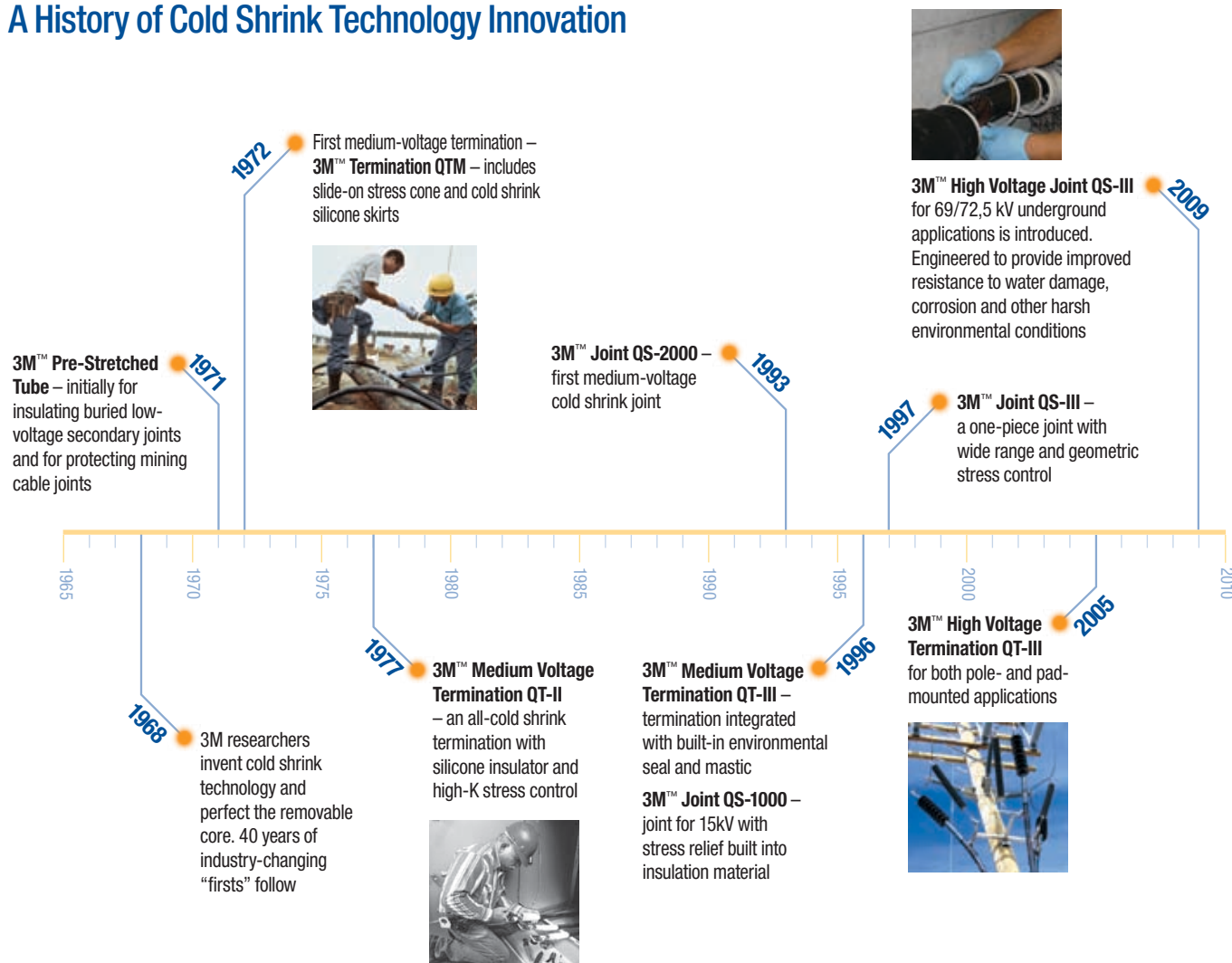
Contact your 3M technical sales representative or call 3M customer service at 800-245-3573 for additional information or to place an order.

Certification	Joint Kit	Termination Kit	Typical Application Ranges*	
			Conductor Size	Cable Insulation OD
IEEE 48, 69kV		QT-III 7672-S-8	250-2000 kcmil	1.94 – 3.08"
IEEE 404, 69kV	QS-III 5488A		250-2000 kcmil	1.94 – 3.08"
IEC 60840, 72.5kV	QS-III 96-AC64X-1 (RW)	QT-III 7672-S-8 (RW)	120-1000 mm ²	1.44 – 2.58"

*Different cable constructions may change the actual application range.

Note: Cross-bond (shield break) joint kits also available.

A History of Cold Shrink Technology Innovation



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.

Warranty; Limited Remedy; Limited Liability.

3M's product warranty is stated in its Product Literature available upon request. **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 indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**

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