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Cold Shrink Silicone Rubber Termination Kits QT-III for 69/72,5kV

7672-S Series

**Cold Shrink
for 69/72,5kV!**
Reliable, no tools/torch,
easier to install.
Now for reduced
wall, too!



Photo courtesy of Manitoba Hydro

3M Introduces Cold Shrink Terminations for High Voltage

The same 3M cold shrink technology that the utility industry has relied on for years has been expanded to 69/72,5kV for standard and reduced-wall (thinner insulation) cable.

Advantages

- Simpler installation makes possible lower total installed cost and helps reduce craft errors that may threaten reliability
- Applies quickly and easily
- Lightweight
- Proven cold shrink reliability
- Can be used on a wide range of cable insulations in a variety of applications
- Backed and supported by 3M's renowned technical expertise
- Installs without heat, reducing safety risk for workers

Designed for Reliability

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

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

*7672-S-8 termination only



Cold shrink delivery system allows quick easy installation without flame, special tools or extensive training.



Hi-K stress control system minimizes surface stress.



Designed for indoor and outdoor installations.

Photo courtesy of Manitoba Hydro

Applications

- Covers conductor size range of 250 to 2000 kcmil (125 – 1000 mm²)
- Solid dielectric insulations, such as PE, XLPE and EPR
- Accommodates JCN, Tape, LC or TOW/WOT shields
- Outdoor or indoor installations

7672-S-8 Termination

- Accommodates cables with an insulation thickness of 650-mil (16.5 mm)
- Rated for 350kV BIL performance levels
- Meets or exceeds IEEE 48, Class 1, for 69kV and IEC 60840 for 72,5kV

7672-S-8 (RW) Termination

- Accommodates cables with a reduced wall insulation thickness of 400 to 470-mil (10.2 to 11.9 mm)
- Rated for 325kV BIL performance levels
- Meets or exceeds IEC 60840 for 72,5kV

Cold Shrink – We made it first; we make it last

- Invented by 3M more than 30 years ago. Continually improved by 3M scientists and engineers since then.
- 3M Cold Shrink Terminations and Splices installed more than 25 years ago are still in service.
- Testing in 3M laboratories demonstrates that the silicone material used in 3M Cold Shrink Terminations and Splices will retain its interface pressure for more than 50 years, based on accelerated life testing.

Features

- Once installed, cold shrink tube creates a dynamic, compressive environmental seal and electrical interface without sealants or adhesives.
- Resists ultra-violet radiation, ozone and industry-approved cable cleaners.
- Compact design for installation in restricted space,
- Insulator, stress control tubes and compounds and sealing compound are compatible with common solid dielectric insulation.

Termination Selection Guide

Kit ID	Primary Insulation OD Range Inches (mm)	Jacket OD Range Inches (mm)	Typical Primary Conductor Size Kcmil (mm ²)			
			Tape Shield (TS)	Jacketed Concentric Neutral (JCN) or Wire Shield	Longitudinally Corrugated (LC/ HSG)**	Tape over Wire or Wire over Tape (TOW) or (WOT)
7672-S-8 IEEE48 69kV IEC60840 72.5kV	1.94-3.08 (49.3-78.2)	2.45-3.35 (62.2-85.1)	250-1750 (120-850)	250-1750* (120-850)	250-1750 (120-850)	250-1000 (120-500)
7672-S-8 (RW) IEC60840 72.5kV	1.44-2.58 (36.6-65.5)	1.95-3.11 (49.5-79.0)		250-2000 (120-1000)		

*For standard (non-reduced wall) terminations: Can be used with Jacketed Concentric Neutral (JCN) Cables having a Jacket OD to 3.61" (91.7mm) maximum.

**For Corrugated Armor Cables, please contact 3M Representative for sizing information

The final determining factor governing product selection are Primary Insulation O.D. and Jacket O.D.

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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.

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Please Recycle



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

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