



# Cold Shrink Silicone Rubber Termination Kits QT-III

7672-S-8 for 69kV

**No torch,  
No tools,  
Easier to install  
in half the time!**



## **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 kV.

### **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 cables in a wide range of applications,
- Backed and supported by 3M's renowned technical expertise.
- Installs without heat, reducing worker safety risk.

### **Applications**

- Designed to terminate 650-mil power cable up to 69kV.
  - Covers conductor size range of 250 to 2000 kcmil (125 - 1000 mm<sup>2</sup>).
- QT-III termination 7672-S-8 series is designed for outdoor or indoor installations and meets or exceeds the requirements of:
- IEEE 48, Class 1, for 69kV,
  - IEC 60849 for 72,5kV,
  - Applications requiring 350kV BIL performance levels,
  - Solid dielectric insulation, such as PE, XLPE and EPR,
  - Tape-shielded or LC-shielded high-voltage cables.



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



Hi-K stress control system minimizes surface stress.



### 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 Number	Primary Insulation	Jacket O.D. Range	Conductor Size Range AWG (mm <sup>2</sup> )
7672-S-8	1.94"-3.08" (49.3-75.4 mm)	2.45" - 3.61" (62.2-91.7 mm)	250-2000 (120-1000)

*Note: The final determining factors governing product selection are Cable Insulation O.D. and Cable Jacket O.D. Range.*



**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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### 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.

This product will be free from defects in material and manufacture as of the time of purchase. **3M MAKES NO OTHER WARRANTIES**

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