

## **3M Introduces First High-Voltage Cold Shrink Termination for Reduced Wall Cable**

3M expands its line of cold shrink products for high-voltage applications with the first termination kits for 69/72,5kV reduced-wall cable. The first high-voltage cold shrink product, a termination kit for 69kV standard-wall cable, was introduced in 2005.

The 3M cold shrink silicone rubber termination kits QT-III, 7672-S-8 (RW) for 69/72,5kV are designed for indoor or outdoor use and to be highly reliable – they meet or exceed the requirements of IEC 60840 for 72,5kV, and solid dielectric insulation, such as PE, XLPE and EPR shielded high-voltage cables.

The new 3M termination is easier to install than other termination technologies, requiring no tools or heat source. Its light weight means that a crane is not required to install the termination. The simpler installation process can make possible a lower total installed cost and help reduce craft errors that may threaten reliability.

This new termination kit is designed to accommodate a wide range of cables and solid dielectric insulations in thicknesses of 400-mil to 470-mil (10.2 to 11.9 mm). It is rated for 325kV BIL performance levels and covers a conductor size range of 250-2000 kcmil (120-1000 square millimeters).

Since first developing cold shrink technology for low- and medium-voltage applications more than 30 years ago, 3M has made a series of improvements to this technology. 3M cold shrink QT-III termination kits have been shown in field experience and laboratory tests to be reliable, even in challenging environments. Once applied, the cold shrink tube creates a dynamic, compressive environmental seal and electrical interface – without sealants or adhesives – and resists ultraviolet radiation, ozone and industry-approved cable cleaners.

For more information about 3M's high-voltage terminations, go to [www.3M.com/highvoltage](http://www.3M.com/highvoltage) or call 800-245-3573.

### **3M Electrical**

The 3M Electrical Markets Division, based in Austin, Texas, designs, manufactures and markets products for utility and industrial power businesses, electrical construction, industrial maintenance, and electrical/electronic devices produced by original equipment manufacturers. Division products include power cable splices and terminations, including cold and heat shrink technologies; cable arc and fire resistant tapes; heat shrinkable tubing and molded shapes for electrical insulation; electrical and electronic specialty insulating tapes; electrical wire connectors; wire terminals, tools and lugs; wire marking products; cable ties; underground/underwater electrical system products; and electrical diagnostic and detection products.

### **About 3M - A Global, Diversified Technology Company**

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