

3M QTIII

Cold Shrink Single Core Indoor / Outdoor Terminations 94-EP Series for 19/33(36) kV Cables

Application

3M™ QTIII Cold Shrink Series Kits are designed for 36kV Umax voltage class, Single core polymeric power cable systems according to HD 620 (IEC 60502).

Kit Content

3M™ 94-EP Series Terminations include the Cold Shrink QTIII Silicone Termination body with integrated stress control device, silicone elastomeric insulation and built in moisture sealing mastic layer. Also included are all armour continuity components where applicable, please refer to selection table for details.



Product Features

- The versatile design of the prefabricated one-piece cold shrink termination body allows installation on a wide range of cable sizes and types and a fast and easy installation at temperatures ranging from - 20°C to + 50°C.
- No heat or flame is needed during installation.
- Solderless earth connection using Constant Force springs.
- No special tools needed during installation.

Installation

3M™ Cold Shrink technology ensures quick, easy and safe installation of the QTIII Termination Body by pulling and unwinding the plastic support core in counter clockwise direction. Use of special tools is not necessary.

Detailed instructions for installing the 3M™ QTIII Series Terminations are included in each kit.

Product Identification

3M™ QTIII Series Termination kits are marked with supplier name, cable cross section ranges, voltage class and cable type, storage conditions and manufacturing codes for product traceability.

Performance Tests

3M™ QTIII 94-EP Series Terminations meet and exceed the requirements of the European standard CENELEC HD 629.1 as well as IEC 60502-4.

See Independent Test Report No. I0445-0E

Storage

The shelf life of 3M™ QTIII Series Terminations is specified as 3 years.

Temperature: - 40°C to +50°C.

Product Selection

Kit Reference	Cable Type	Application Range Guide (mm ²)	Diameter over primary insulation (mm)	Max. Lug diameter accepted (mm)
94-EP610-2	Copper Wire Screen	25 – 120 (crimp) 50 – 120 (mech)	18.3 – 32.8	33
94-EP620-2	Copper Wire Screen	70 – 240	21.1 – 38.9	39
94-EP630-2	Copper Wire Screen	95 – 400 (crimp) 185 – 400 (mech)	26.7 – 45.7	45
94-EP640-2	Copper Wire Screen	400 – 630	38.9 – 58.9	59
94-EP613-2	Lead Sheath and/or Copper Tape Screen	25 – 120	18.3 – 32.8	33
94-EP623-2	Lead Sheath and/or Copper Tape Screen	70 – 240	21.1 – 38.9	39
94-EP633-2	Lead Sheath and/or Copper Tape Screen	95 – 400	26.7 – 45.7	45
94-EP643-2	Lead Sheath and/or Copper Tape Screen	400 – 630	38.9 – 58.9	59
94-EP612-2	Copper Tape Screen / Armour and/or Lead Sheath	25 – 120	18.3 – 32.8	33
94-EP622-2	Copper Tape Screen / Armour and/or Lead Sheath	70 – 240	21.1 – 38.9	39
94-EP632-2	Copper Tape Screen / Armour and/or Lead Sheath	95 – 400	26.7 – 45.7	45
94-EP642-2	Copper Tape Screen / Armour and/or Lead Sheath	400 – 630	38.9 – 58.9	59

Product Stewardship

3M has a fundamental concern for all who make, distribute and use its products, and for the environment in which we live. This concern is the basis of our philosophy and policies by which we assess the health and environmental information on our products and then take the appropriate steps to protect employee, the public health and the environment.

Customer Notice

3M encourages its customers and potential users of 3M products to review their applications for such products from the standpoint of human health and environmental quality. To help ensure that 3M products are not used in ways for which they were not intended or tested. 3M personnel are available to assist customers in dealing with ecological and product safety considerations. Your 3M sales representative can arrange for the proper contacts.

Regulatory Status

3M™ QTIII Series Terminations are not subject of the European WEEE and RoHS Directives but meet their requirements.

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Electrical Markets Division



**THORNE &
DERRICK
INTERNATIONAL**

Thorne & Derrick
+44 (0) 191 410 4292
www.powerandcables.com