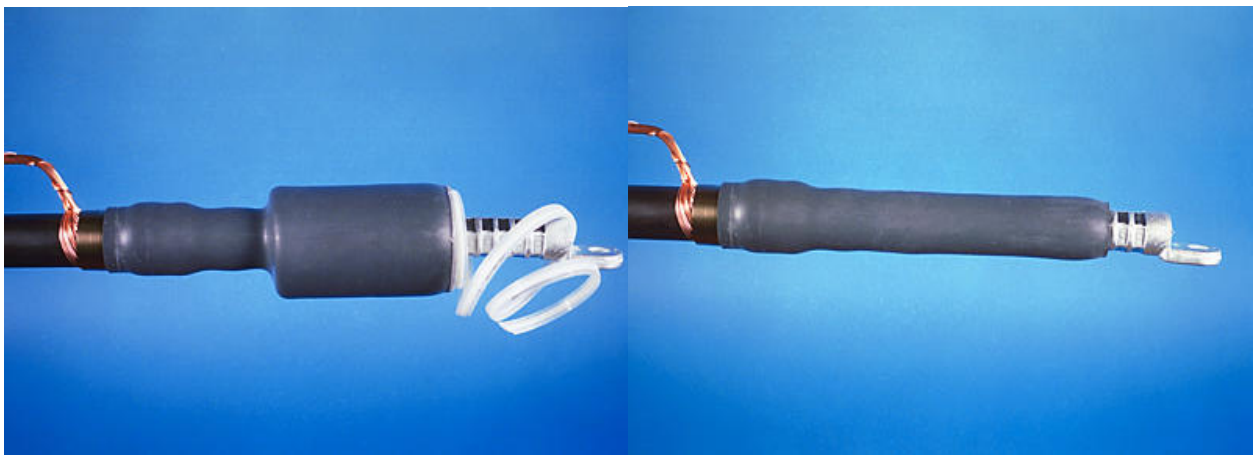


3M™ Cold Shrink Single Core Indoor Terminations 93-EP Series for 12/20(24)kV

Application

3M™ QTIII Cold Shrink Series Kits are designed for 24kV Umax voltage class, Single core polymeric power cable systems according to HD 620 (IEC 60502).



Product Selection

| Kit Reference | Cable Type | Application Range Guide (mm ²) | Diameter over primary insulation (mm) | Max. Lug diameter accepted (mm) |
|---------------|--------------------|--|---------------------------------------|---------------------------------|
| 93-EP610-1 | Copper Wire Screen | 25 – 120 | 16.3 – 27.4 | 27 |
| 93-EP620-1 | Copper Wire Screen | 95 – 240 | 20.5 – 38.9 | 39 |
| 93-EP630-1 | Copper Wire Screen | 185 – 400 | 26.7 – 45.7 | 46 |
| 93-EP640-1 | Copper Wire Screen | 500 – 630 | 38.9 – 58.9 | 59 |

Kit Content

3M™ 93-EP Series Terminations include the Cold Shrink QTIII Silicone Termination body with integrated stress control tube, stress control mastic, silicone elastomeric insulation and built in moisture sealing mastic layer.

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 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.

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 93-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. I0446-0E

Storage

The shelf life of 3M™ QTIII Series Terminations is specified as 3 years.
Temperature: - 40°C to +50°C.

Product Stewardship

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Regulatory Status

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

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Issue 3

3M QTIII

Cold Shrink Single Core Outdoor Terminations 92-EP Series for 6.6/11(12) kV and 12/20(24) Cables

Application

3M™ QTIII Cold Shrink Series Kits are designed for 24kV Umax voltage class, Single core polymeric power cable systems according to HD 620 (IEC 60502).

Kit Content

3M™ 92-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. Skirts are integrated for easier & faster installation. 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 92-EP Series Terminations meet and exceed the requirements of the European standard CENELEC HD 629.1 as well as IEC 60502-4.

See Test Report No. CR7695-S4

Storage

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

Temperature: - 40°C to +50°C.

Product Selection; Copper Wire Screened Cables

| Kit Reference | Application Range Guide (mm ²) 6.6/11(12)kV | Application Range Guide (mm ²) 12/20(24)kV | Diameter over primary insulation (mm) | Max. Lug diameter accepted (mm) |
|-------------------|---|--|---------------------------------------|---------------------------------|
| 92-EP621-2 | 50 – 95 | 25 – 120 | 16.3 – 27.4 | 30 |
| 92-EP631-2 | 120 – 400 | 95 – 240 | 21.1 – 38.9 | 39 |
| 92-EP641-2 | 500 – 630 | 185 – 400 | 26.7 – 45.7 | 45 |

Product Selection – Copper Tape Screened/Armoured/Lead Sheathed Cables

| Kit Reference | Application Range Guide (mm ²) 6.6/11(12)kV only | Diameter over primary insulation (mm) | Max. Lug diameter accepted (mm) |
|-------------------|--|---------------------------------------|---------------------------------|
| 92-EP623-2 | 50 – 95 | 16.3 – 27.4 | 30 |
| 92-EP633-2 | 120 – 150 | 20.5 – 38.9 | 39 |
| 92-EP643-2 | 185 – 400 | 20.5 – 38.9 | 39 |
| 92-EP653-2 | 500 – 630 | 26.7 – 45.7 | 45 |

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Regulatory Status

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