

3M™ Medium Voltage Cold Shrink Splice Kit

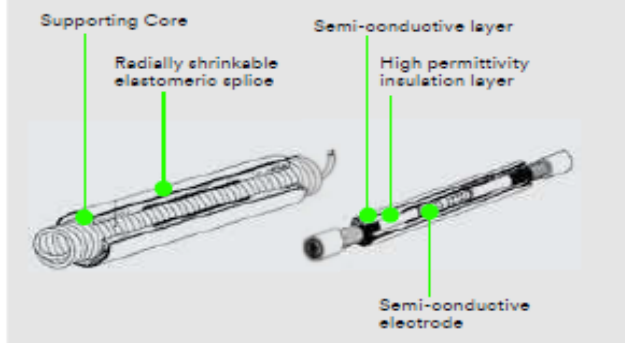
3M™ Medium Voltage Cold Shrink Splice is a one piece pre-molded joint body manufactured from a specially formulated silicone material, which provides flexibility, easy installation at low temperatures and superior electrical performance over a wide range of operating temperatures. The finished body is expanded and loaded onto a removable supporting core, which allows the joint to be installed without the need for tools or heat.

3M™ Medium Voltage Cold Shrink Splice is injection moulded and consists of three layers. A semi-conductive electrode, which forms a Faraday Cage around the connector, a high permittivity insulation layer, which both insulates and stress controls, and an outer semi-conductive layer which ensures all screens are at earth potential.

All finished bodies are tested after manufacture and undergo AC Withstand and Partial Discharge testing.

All joint types have been tested in accordance with VDE 0278, IEC 60502, HD 629 and /or BS7888. Details of type tests are available upon request.

6.6/11/(12)kV



Joining Systems for Power Cable

One-Piece Molded Splice Body

The splice body combines mechanical strength with high flexibility to meet the requirements of today's cable applications. The one-piece design ensures easy installation, high reliability and reduce dependency on workmanship.

Cold Shrinkable Rejacketing

The quality splice cover on a removable core ensures excellent mechanical protection and a perfect waterproof seal. Installation is easy and the flexibility of the splice body allows it to follow any cable bending.

Removable Core

The core is removed after the splice body has been positioned, allowing the molded rubber body to shrink and seal. Installation is simple requiring no special tools or heat.

A Wide Range Of Cross Sections (50 - 500mm²)

The splice system provides a wide range of cross sections to accommodate each splice size. Only three sizes are needed to cover from 50 to 500 mm² for most cable construction or connecting system, offering excellent savings in inventory control.

Product Identification

The product identification and lot number are molded into each splice body ensuring product traceability.

Copper Screen Sleeve

To provide for continuity of the cable shielding.

Features & Advantages

- One part joint body.
- 100% tested after manufacture.
- No heat required.
- Tool free installation.
- Permanent radial pressure.
- Suitable for paper and polymeric cables.
- Compatible with compression and mechanical connectors.
- Low temperature installation.
- Provides consistent installation quality.

QS1000 Straight Through Joint Kit Selection Chart for Single Core XLPE Shielded Cables

Voltage	Model	Cable Conductor Size (mm ²)	Cable Insulation Diameter (mm)	Cable Outer Diameter (mm)	Connector Length (mm)
11kV	92-AG 610-1	70 - 150	17.7 - 26.0	14.2 - 26.0	135
	92-AG 611-1				
	92-AG 612-1 RPM				
	92-AG 620-1	150 - 240	22.3 - 33.2	18.0 - 33.2	145
	92-AG 621-1				
	92-AG 622-1 RPM				
	92-AG 630-1	300 - 500	28.4 - 42.0	23.3 - 42.0	220
	92-AG 631-1				
	92-AG 632-1 RPM				

*Note: 92-AG 6x0-1 series for copper wire screen cable
 92-AG 6x1-1 series for copper tape screen cable
 92-AG 6x2-1 RPM series for copper tape screen cable with resin re-jacketing option

QS1000 Straight Through Joint Kit Selection Chart for Three Cores XLPE Shielded Cables

Voltage	Model	Cable Conductor Size (mm ²)	Cable Insulation Diameter (mm)	Cable Outer Diameter (mm)	Connector Length (mm)
11kV	92-AG 610-3 RPM	95	17.7 - 26.0	14.2 - 26.0	135
	92-AG 620-3A RPM	150	22.3 - 33.2	18.0 - 33.2	145
	92-AG 620-3B RPM	185 - 240	22.3 - 33.2	18.0 - 33.2	145
	92-AG 630-3 RPM	300	28.4 - 42.0	23.3 - 42.0	220

*Note: 92-AG 6xx-x RPM series come with resin re-jacketing option

QS1000 Transition Joint Kit Selection Chart for Three Cores PiLC to XLPE Shielded Cables

Voltage	Model	PiLC Cable		XLPE Cable		Connector Outer Diameter (mm)	Connector Length (mm)
		Cable Size (mm ²)	Insulation Diameter (mm)	Conductor Size (mm ²)	Insulation Diameter (mm)		
11kV	92-FG 413-3 MAL	70	14.0 - 23.0	95	17.7 - 26.0	14.2 - 26.0	135
	92-FG 423-3 MAL	120 - 185	20.5 - 31.0	150 - 240	22.3 - 33.2	18.0 - 33.2	145
	92-FG 433-3 MAL	300	26.0 - 40.1	240	28.4 - 42.0	23.3 - 42.0	220