

3M™ QS 200 MB

Pre-assembled Cold-Shrink Inline Joint with Cold-Shrink re-jacketing 93-AK6x0-1-MB/C Range

Application

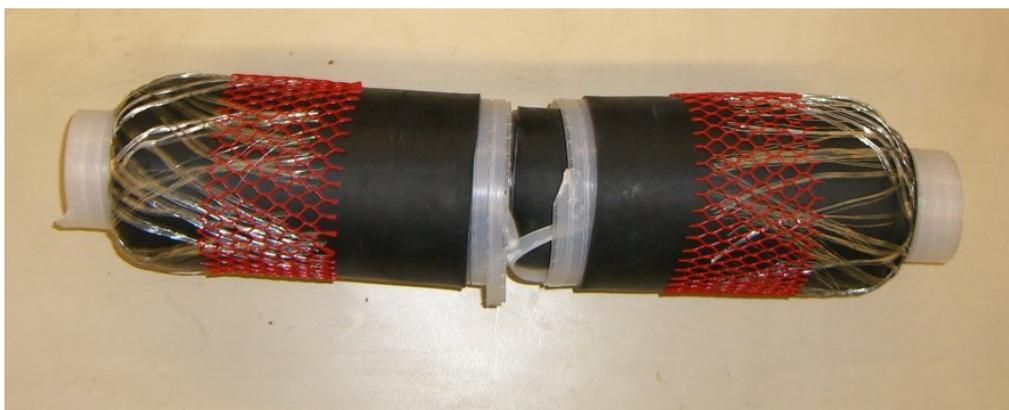
The 3M QS200-MB Cold Shrink Series Kits are designed for inline splicing up to 24kV Umax Voltage class, Single core polymeric power cable systems with copper wire screen, according to HD 620 (IEC 60502)

To reduce the required space and time of the splice body installation, the copper screen sleeve and the thick walled EPDM rubber outer protection tubes are factory pre-assembled. This allows a fast and easy installation.

Splicing of medium voltage power cables of different voltage classes and cross sections is possible.

Kit Content

The 93-AK6x0-1-MB/C Inline Joint include the pre-assembled Cold Shrink QS200-MB silicone splice body, Constant Force springs and installation materials such as mastic and grease. A mechanical phase connector is also included.



Product Features

- The versatile design of the prefabricated one-piece cold shrink splice 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 the whole installation.
- Wide application range covering several cable cross sectional areas.
- Solderless earth connection by means of copper screen sleeve and constant force springs.
- Thick walled, EPDM rubber Cold Shrink tubes for outer re-jacketing provide a physical protection and moisture sealing of the completed Inline Splices.
- No special tools needed during splice installation

Installation

The 3M Cold Shrink technology ensures quick, easy and safe installation of the pre-assembled QS200-MB Splice by pulling and unwinding the plastic support core in counter clockwise direction. The use of special tools is not necessary. Detailed instructions for installing the 3M QS200-MB Series Inline Joints are included in each kit.

Product Identification

The 3M QS 200 MB Series Inline Joint kits are marked with supplier name, cable cross section ranges, voltage classes and cable type, storage conditions and manufacturing codes for product traceability.

Product Selection

Application Range						
Kit Ref.	Cable Dimensions for Polymeric Cables				Maximum Connector Dimensions	
	Diameter over Cable jacket max. (mm)	Diameter over Primary Insulation (mm)	Cross Section (mm ²)		Diameter (mm)	Length (mm)
			6.6/11(12kV	12/20(24)kV 12.7/22(24)kV		
93-AK620-1-MB/C	46	19,1 – 36,8	95 - 240	50 - 240	33	126
93-AK640-1-MB/C	63	26,1 – 54,6	300 - 400	240 - 400	42	170
93-AK660-1MB/C	74	33.4 – 66.0	500 - 630	400 – 630	66	238

Performance Tests

The 3M QS200-MB Single Core Inline Joint Series meets and exceeds the requirements of the European standard CENELEC HD 629.1

Storage Conditions

The shelf life of the 3M QS200-MB Series Inline Joints is specified as 3 years.
Temperature: -40°C to +50°C (short term peaks at 60°C max.)

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.

Legal Requirements

The 3M QS 200 MB Series Inline Joints are not subject of the European WEEE and RoHS Directives but meet their requirements.

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