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3M™ QS200

Cold Shrink Single Core Inline Joint with Cold Shrink Re-jacketing
92-AK6x0-1/C Series with Mechanical Connectors

Product Description
3M™ QS200 Cold Shrink Series Kits are designed for inline splicing up to 12kV Umax voltage class, Single core polymeric power cable systems with copper wire screen according to HD 620 (IEC 60502).

Kit Content
3M™ 92-AK6x0-1/C Inline Joint Series includes the Cold Shrink QS200 silicone splice body with integrated stress control device, conductive electrode, silicone elastomeric insulation and outer semi-conductive layer. Also included are Copper Screen sleeve, Constant Force springs for metallic screen and thick walled EPDM rubber Cold Shrink outer tubes to re-build the cable outer jacket. To connect the conductors, a mechanical connector for a quick and easy cable connection is provided with the kit.

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 splice body installation.
- The included mechanical connector provides a quick and easy connection, without any special tooling.
- Solderless earth connection by means of Copper Stocking and Constant Force springs.
- Thick walled, EPDM rubber Cold Shrink outer re-jacketing tubes provide mechanical protection and moisture sealing of the completed Inline joints.
- No special tools needed during splice installation.

Installation
3M™ Cold Shrink technology ensures quick, easy and safe installation of the QS 200 Splice Body and outer protection tubes 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 QS200 Series Inline Joints are included in each kit.

Product Identification
3M™ QS200 Series Inline Joint kits are marked with supplier name, cable cross section ranges, voltage class and cable type, storage conditions and manufacturing codes for product traceability.

Product Selection

Application Range				
Kit Ref.	Cable Dimensions for Polymeric Cables			Connector Included
	Diameter over Cable jacket max.(mm)	Diameter over Primary Insulation (mm)	Cross Section (mm^2) 6/10(12)kV 6,35/11(12)kV	
92-AK610-1/C	36	14.6 – 28.0	50 - 150	332 607 010
92-AK620-1/C	46	17.6* – 38.0	95 - 300	332 602 010
92-AK630-1/C	60	26.1 – 45.0	300 - 630	332 603 010

*with adapter tube

Testing
The 3M™ QS200 Kit Series 92-AK 610-1/C up to 92-AK 630-1/C were tested according to EN 61442 and HD 629.1 S2. Refer to Type test reports TR-004698 and TR-004483

Storage
The shelf life of 3M™ QS200 Series Inline Joints is specified as 3 years.
Temperature: - 40°C to +50°C.

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™ QS200 Series Inline Joints are not subject of the European WEEE and RoHS Directives but meet their requirements.

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