

3M™ Medium Voltage Cold Shrink Splice Kit

33kV Cold-Shrink Inline Joint

Product Application

3M™ QS200 Cold Shrink Series Kits are designed for inline splicing up to 36kV Umax voltage class in accordance to HD 620 (IEC 60502).

Product Features

- The versatile design of the prefabricated one-piece cold shrink splice body allows installation on a wide range of cable sizes and a fast and easy installation.
- The integrated, semi-conductive electrode forms a faraday cage over the connector and eliminated the use of tapes or additional moulded or metallic electrodes.
- No heat or flame is needed during splice body installation.
- Solderless earth connection by means of copper screen sleeve and constant force springs.
- Thick walled, EPDM rubber Cold Shrink outer re-jacketing tubes provide physical protection and moisture sealing of the completed Inline Splices.
- No special tools needed during splice installation.



Performance Tests

3M™ QS200 Inline Joint Series meets and exceeds the requirements of the European standard CENELEC HD 629.1

QS200 Straight Through Joint Kit Selection Chart for Single Core XLPE Shielded Cables

Kit Reference	Cable Dimension			Connector Dimension	
	Diameter over Cable Jacket max. (mm)	Diameter over Primary Insulation (mm)	Conductor Size (mm ²)	Diameter max. (mm)	Length max. (mm)
94-AK 620-1 ST MAL	46	19.1 - 38.0	50 - 240	38	160
94-AK 620-1 ST MAL RPM					
94-AK 630-1 ST MAL	74	33.4 - 66.0	300 - 630	68	245
94-AK 630-1 ST MAL RPM					
94-AK 631-1 ST MAL	74	33.4 - 66.0	800 - 1000	68	245
94-AK 631-1 ST MAL RPM					

*Note: RPM series for copper tape screen cable with resin re-jacketing option

QS200 Cross Bond Joint Kit Selection Chart for Single Core XLPE Shielded Cables

Kit Reference	Cable Dimension			Connector Dimension	
	Diameter over Cable Jacket max. (mm)	Diameter over Primary Insulation (mm)	Conductor Size (mm ²)	Diameter max. (mm)	Length max. (mm)
94-AK 620-1 XB MAL	46	19.1 - 38.0	50 - 240	38	160
94-AK 620-1 XB MAL RPM					
94-AK 630-1 XB MAL	74	33.4 - 66.0	300 - 630	68	245
94-AK 630-1 XB MAL RPM					
94-AK 631-1 XB MAL	74	33.4 - 66.0	800 - 1000	68	245
94-AK 631-1 XB MAL RPM					

*Note: RPM series for copper tape screen cable with resin re-jacketing option