QS 3000 Cold Shrink Kit AD-72-x-x-x

Cold Shrink Inline Joint

1. Product Description

The 3M QS 3000 AD Cold Shrink Series Kits are designed for polymeric insulated power cables up to 72.5kV U_{max} according to IEC 60840.

2. Applications

Cold Shrink joint with an application range from 150mm² up to 1200mm².
Applicable for various screen solutions of polymeric power cables up to 72.5kV U_{max}.

3. Typical Properties

3.1 Rated Voltage U_0/U

27/47kV and 39/69kV

3.2 Max. System Voltage U_{max}

72.5kV

3.3 Application Range Primary Insulation

AD-72-2x-x-x 35.9 – 56.2mm
AD-72-3x-x-x 54.0 – 65.0mm

3.4 Application Range Cross Section

AD-72-2x-x-x 150mm² - 630mm²
AD-72-3x-x-x 630mm² – 1200mm²

The application range can change depending on the cable insulation diameter, diameter over cable jacket and kit configuration.

3.5 Type Test

Type Test according to IEC 60840 completed successfully.

MASTER TDS
Insert local country Information before Issue

Reference: AABBDD78146_02

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4. User Information

4.1 Selection Guide

Inline Jointing kits with Cold Shrink rejacketing

Kit Reference	Cable Dimensions for Polymeric Cable					Connector Dimensions	
	Type of Shielding	Max. Screen Cross Section (mm²)	Diameter over Primary Insulation (mm)	Cross Section[1] 66/69kV 72.5kV U_{max} (mm²)	Diameter over Cable Jacket[2] Max. (mm)	Diameter Min. – Max. (mm)	Length Max. (mm
AD-72XA1-20-N-50C	Copper Wire Screen Copper Wire Screen with Al-laminate Lead Sheath Aluminium Tube Sheath	50	35.9 – 56.2	150 – 630 (800 solid) [1]	65 [2]	36.0 – 56.0	230
AD-72XB1-20-N-150C		150	35.9 – 56.2	150 – 630 (800 solid) [1]	65 [2]	36.0 – 56.0	230

Inline Jointing kits with conductor connector and Cold Shrink rejacketing

Kit Reference	Cable Dimensions for Polymeric Cable					Connector Range
	Type of Shielding	Max. Screen Cross Section (mm²)	Diameter over Primary Insulation (mm)	Cross Section[1] 66/69kV 72.5kV U_{max} (mm²)	Diameter over Cable Jacket[2] Max. (mm)	Application Range [3] Cross Section (mm²) Conductor diameter (mm)
AD-72XA1-20-SP1-50C	Copper Wire Screen Copper Wire Screen with Al-laminate Lead Sheath Aluminium Tube Sheath	50	35.9 – 56.2	300 – 630 (800 solid) [1]	65 [2]	RE / round solid [3] 300 - 800 (Ø 18,8-32,1) RMV / round stranded and compressed [3] 300 - 630 (Ø 19,7-32,5) RM / round stranded [3] 300 - 630 (Ø 21,6-33,2)
AD-72XB1-20-SP1-150C		150	35.9 – 56.2	300 – 630 (800 solid) [1]	65 [2]	
AD-72XB1-30-SP3-150C		150	54.0 – 65.0	800 – 1000 [1]	100 [2]	800 - 1000 (Ø 32-41)

[1] The final application range is depending on the primary insulation diameter. Stated max. range must not be exceeded
[2] Maximum cable jacket diameter can change depending on the screen cross section.
[3] Refer to manufacturers' instruction for installation of the connector for final specification

ADD-On Kit - Supplementary Assembly for cables with Aluminum screen wires

Kit Reference	Screen Dimensions for Polymeric Cable		Cable Dimensions for Polymeric Cable
	Type of Shielding	Cross Section of AL wire screen	Diameter over Cable Jacket Max. (mm)
96-AD 63x-2	Aluminum Wire Screen	50 – 240mm²	74

4.2 Regulatory

Compliance to EU regulation 1907/2006/EC (REACH) for the inline joints AD-72-x-x-x and 96-AD 63x-2 is under evaluation.

4.2 Storage

All components of the AD-72-x-x-x kit are recommended to storage and stock rotation under temperature condition of -40°C up to 50°C.

4.3 Shelf Life

The shelf life is 36 month from the date stated on original box.

5. Additional Information

To request additional product information see address below.