

72MSJ-x-SB

Slip-on single core straight joint with mechanical connectors and integrated screen sectionalizing for cross-bonding application

72.5 kV

Application

Non size sensitive slip-on single core straight joint made of silicone, optimized for mechanical connectors. For jointing copper wire screened polymeric cable to be laid in air or directly buried. The product is fully screened and fully submersible.

Technical characteristics

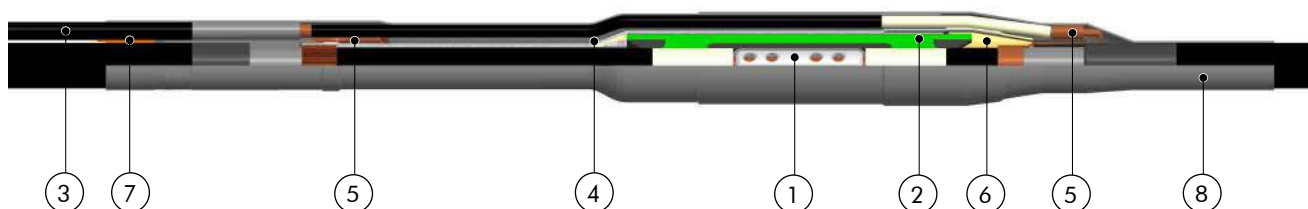
- All joint bodies are tested for AC withstand and partial discharge prior to leaving the factory.
- Outer cover made of heat-shrinkable tubes
- Also for single-bonding-cables available

U (U_m)

60-69 (72.5) kV

Design

1. Mechanical conductor connector
2. Premoulded silicone joint body
3. Coaxial cross-bonding cable
4. Vapour barrier
5. Mechanical screen wire connector
6. Shield break
7. Branch clip
8. Heat-shrinkable protective cover



Specifications and standards

The slip-on single core straight joint 72MSJ-x-SB is type tested acc. to IEC 60840.

Straight joint type	Max. operating voltage U _m (kV)	Ø over core insulation (mm)		Conductor cross section* (mm ²)
		min	max	
72MSJ-3-SB	72.5	34,5	47	120 – 400
72MSJ-4-SB	72.5	47	63	400 – 1000

* Indicative for cables with 10 mm insulation wall thickness.

For detailed electrical ratings please see page 29-30.

Kit contents

A kit always comprise:

- | | |
|----------------------------------------------------------|----------------------------|
| 1 x mechanical conductor connector | + Copper woven fabric tape |
| 1 x pre-moulded joint body | + Adhesive tape |
| 2 x mechanical screen connector | + Sealing mastic |
| 1 x Vapor barrier sleeve | + Heat-shrinkable tubes |
| 1 x Semi-conductive tape | + Installation instruction |
| 1 x branch clip (2 x for use with single bonding cables) | |

Ordering instructions

To order the joint, select the joint type which gives you the best centering of your core insulation diameter and add the conductor connector and the screen wired connector.

For coaxial cross-bonding cable please indicate: -SB1

Order example:

One straight joint for a 72.5 kV XLPE insulated cable with 630 mm² aluminum stranded conductor and 50 mm² copper wire screen. The diameter over core insulation is 54 mm. Used with coaxial cross-bonding cable with 95 mm² copper conductor.

Order
72MSJ-4-SB1
+M400.630+D16.95

For single bonding-cables please indicate: -SB2

Order example:

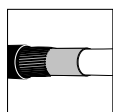
One straight joint for a 72.5 kV XLPE insulated cable with 630 mm² aluminum stranded conductor and 50 mm² copper wire screen. The diameter over core insulation is 54 mm. Used with two single bonding-cables with 120 mm² copper conductor.

Order
72MSJ-4-SB2
+M400.630+D25.150



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DERRICK
INTERNATIONAL**

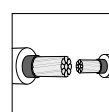
Thorne & Derrick
+44 (0) 191 410 4292
www.powerandcables.com



For use with copper wire screened cables. No further earthing device is necessary.



For use with other cables types. Please contact our representative.



Joining cables of different sizes possible.