

# 72MSJ

## Slip-on single core straight joint with mechanical connectors

**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.

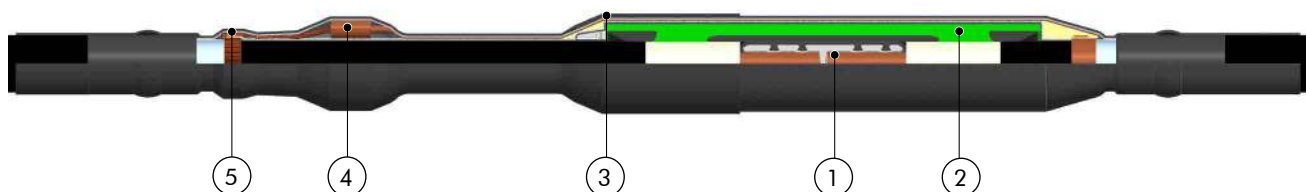
### Technical characteristics

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

**U (U<sub>m</sub>)**  
**60-69 (72.5) kV**

### Design

1. Mechanical conductor connector
2. Premoulded silicone joint body
3. Heat-shrinkable protective cover
4. Mechanical screen wire connector
5. Vapour barrier



### Specifications and standards

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

Straight joint type	Max. operating voltage U <sub>m</sub> (kV)	Ø over core insulation (mm)		Conductor cross-section* (mm <sup>2</sup> )
		min	max	
72MSJ-3	72.5	34,5	47	120 – 400
72MSJ-4	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 | + Semi-conductive tape     |
| 1 x premoulded joint body          | + Copper woven fabric tape |
| 1 x mechanical screen connector    | + Adhesive tape            |
| 1 x Vapor barrier sleeve           | + Sealing mastic           |
|                                    | + Heat-shrinkable tubes    |
|                                    | + Installation instruction |

## 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 wire connector.

### Order example:

One straight joint for a 72.5 kV XLPE insulated cable with 630 mm<sup>2</sup> aluminum stranded conductor and 50 mm<sup>2</sup> copper wire screen. The diameter over core insulation is 54 mm.

Order

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

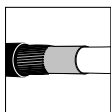


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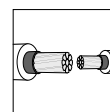
[www.powerandcables.com](http://www.powerandcables.com)



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.