## SOJ 12 – 24 kV

# Premolded cable joint with or without outer jacket, RULLE



SOJ R

### Use

Premolded cable joint for XLPE- and EPR-insulated 1- or 3-core cables with Al or Cu conductor for 12 – 24 kV.

### Standards

Meets the requirements of:

- CENELEC, HD 629.1 S1
- SS 424 14 45 edition1
- VDE 0278
- KEMA S8
- IEEE 404 1993

### Design

The joint body is made of rubber in three layers: a conductive outer layer, an insulating layer and a conductive inner layer.

The joint body is pre-expanded on plastic inserts before installation. When the cables have been connected and the joint is centred, the inserts are pulled out. This way the joint body will provide an active pressure on the cable insulation and will follow variations in the cable during load.

### The kits are selected as follows:

**SOJ R**

- Contains outer jacket RULLE; a two-layer tape of EPDM-rubber and mastic, which is wrapped around the joint.
- Connectors are not included.

**SOJ SL**

- Supplied without outer jacket. An outer jacket approved by NKT must be added, for example type ARM.
- Connectors are not included.

**Note:**

- For 16 – 35 mm$^2$ cables ADAPTER must be ordered separately, see the table below.
- WIM 3 / WIM 4 – used as complement when jointing 3-core watertightened cable, see the table below.

**Always select products by Insulation diameter.**

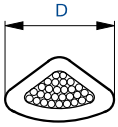
| Insulation diameter mm | Cable cross section 12 kV mm$^2$ | 24 kV | Designation 1-core | R Weight kg/kit | Designation 1-core | SL Weight kg/kit | Designation 3-core | R Weight kg/kit | Designation 3-core | SL Weight kg/kit |
|---|---|---|---|---|---|---|---|---|---|---|
| 15–19.5 | 50–70 | – | SOJ 121-1 R | 2.6 | SOJ 121-1 SL | 1.0 | SOJ 121-3 R | 4.7 | SOJ 121-3 SL | 2.0 |
| 18.5–24 | 95–150 | – | SOJ 122-1 R | 3.0 | SOJ 122-1 SL | 1.1 | SOJ 122-3 R | 5.6 | SOJ 122-3 SL | 2.3 |
| 23–28 | 185–240 | – | SOJ 123-1 R | 3.1 | SOJ 123-1 SL | 1.2 | SOJ 123-3 R | 6.4 | SOJ 123-3 SL | 2.7 |
| 27–34 | 300–400 | – | SOJ 124-1 R | 4.3 | SOJ 124-1 SL | 1.6 | SOJ 124-3 R | 8.9 | SOJ 124-3 SL | 4.2 |
| 33.5–46 | 500–630 | – | SOJ 125-1 R | 5.9 | SOJ 125-1 SL | 2.2 | – | – | – | – |
| 19–23.5 | – | 50–70 | SOJ 241-1 R | 3.2 | SOJ 241-1 SL | 1.3 | SOJ 241-3 R | 6.2 | SOJ 241-3 SL | 2.8 |
| 22.5–28 | – | 95–150 | SOJ 242-1 R | 3.9 | SOJ 242-1 SL | 1.5 | SOJ 242-3 R | 7.0 | SOJ 242-3 SL | 3.4 |
| 27–35 | – | 185–300 | SOJ 243-1 R | 4.5 | SOJ 243-1 SL | 1.8 | SOJ 243-3 R | 9.1 | SOJ 243-3 SL | 4.5 |
| 33.5–46 | – | 400 | SOJ 244-1 R | 6.4 | SOJ 244-1 SL | 2.2 | – | – | – | – |

### Accessories, to be ordered separately

| Accessories | Use | SOJ R | SOJ SL | See page |
|---|---|---|---|---|
| ADAPTER | Cables with different dimensions | X | X | 17 |
| JSA 10–13 | Cables with Cu-tape screen | X | X | 57 |
| JSA 14–16 | Cables with Al-foil screen | X | X | 57 |
| TS | Additional kit for sector shaped 3-core cables | X | X | 17 |
| WIM | Diffusion seal | X | X | 18 |
| ARM | Armouring kit | – | X | 58 |
| STOP | Crutch seal when 3 x 1-core cables are jointed to a 3-core | X | – | 17 |
| SH-SKRM | Bolt connector | X | X | 60 |



ADAPTER




TS



WIM



STOP



SH-SKRM