SOJ HSTS 12 – 24 kV

Premolded cable joint with heat-shrink outer jacket



SOJ HSTS 3-CORE KIT

Use

Premolded cable joint with heat-shrink outer jacket and bolt connector. For jointing 12 – 24 kV XLPE- and EPR-insulated 1- or 3-core cables with Al- or Cu-conductors.

Standards

Meets the requirements of:

- SS 424 14 45 edition 1
- VDE 0278
- CENELEC, HD 629.1 S1
- KEMA S8
- IEEE 404 1993

Design

The joint body is made of rubber in three layers:
a conductive inner layer, an insulating layer and a conductive outer layer. The joint kit is complete and restores all the parts of the cable.

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 include:

- Heat-shrink outer jacket, vulcanizing tape and connectors with shear-off bolts for conductor and screen.

Note:

- Branch seal kit CSK 2, CSK 3 for transition between 3- or 1-core cables. Kits include a branch seal in heatshrink material, tapes and an installation instructure. CSK is to be ordered separately according to the table.
- For 16 – 35 mm^2 cables ADAPTER must be ordered separately, see the table below.
- WIM 3 – used as complement when jointing watertightened cable, see the table below.

Always select products by Insulation diameter.

Voltage	Insulation diameter	Conductor cross section	Designation	Weight
kV	mm	mm^2		kg/kit
Cable joint for 1-core				
12	15–19.5	50–70	SOJ 121-1 70 HSTS	2.5
12	18.5–24	95–150	SOJ 122-1 150 HSTS	2.6
12	23–28	185–240	SOJ 123-1 240 HSTS	3.4
12	27–34	300–400	SOJ 124-1 400 HSTS	4.7
12	33.5–46	500–630	SOJ 125-1 630 HSTS	5.5
Cable joint for 3-core				
12	15–19.5	50–70	SOJ 121-3 70 HSTS	5.0
12	18.5–24	95–150	SOJ 122-3 150 HSTS	5.5
12	23–28	185–240	SOJ 123-3 240 HSTS	7.0
12	27–34	300–400	SOJ 124-3 400 HSTS	9.1
Cable joint for 1-core				
24	19–23.5	50–70	SOJ 241-1 70 HSTS	3.3
24	22.5–28	95–150	SOJ 242-1 150 HSTS	3.6
24	27–35	185–240	SOJ 243-1 240 HSTS	4.3
24	27–35	300	SOJ 243-1 300 HSTS	4.5
24	33.5–46	400	SOJ 244-1 400 HSTS	5.3
24	33.5–46	500–630	SOJ 245-1 630 HSTS	5.5
Cable joint for 3-core				
24	19–23.5	50–70	SOJ 241-3 70 HSTS	5.8
24	22.5–28	95–150	SOJ 242-3 150 HSTS	6.9
24	27–35	185–240	SOJ 243-3 240 HSTS	8.8

Accessories, to be ordered separately



CSK



ADAPTER



WIM

Accessories	Use	See page
CSK	Branch seal for transition between 3- and 1-cor cables	18
ADAPTER	Cables with different dimensions	17
WIM 3	Diffusion seal	18
JSA 10–13	Cables with Cu-tape screen	57
JSA 14–16	Cables with Al-foil screen	57

SOJ HSTS 36 kV

Premolded cable joint with heat-shrink outer jacket



SOJ HSTS 3-CORE KIT

Use

Premolded cable joint with heat-shrink outer jacket and bolt connector. For jointing 36 kV XLPE- and EPR-insulated 1- or 3-core cables with Al or Cu conductors.

Design

The joint body is made of rubber in three layers:
a conductive inner layer, an insulating layer and a conductive outer layer. The joint kit is complete and restores all the parts of the cable.

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 included:

- Heat-shrink outer jacket, vulcanizing tape and connectors with shear-off bolts for conductor and screen.

Note:

- Branch seal kit CSK 2, CSK 3 for transition between 3- or 1-core cables. Kits include a branch seal in heat-shrink material, tapes and an installation instructure. CSK is to be ordered separately according to the table.
- For 16 –35 mm^2 cables ADAPTER must be ordered separately, see the table below.
- WIM 3 – used as complement when jointing watertightened cable, see the table below.

Always select products by Insulation diameter.

Voltage	Insulation diameter	Conductor cross section	Designation	Weight
kV	mm	mm^2		kg/kit
Cable joint for 1-core				
36	19–23.5	50–70	SOJ 361-1 70 HSTS	3.3
36	22.5–28	50–70	SOJ 362-1 70 HSTS	3.6
36	22.5–28	95	SOJ 362-1 95 HSTS	3.6
36	27–35	95–150	SOJ 363-1 150 HSTS	4.3
36	27–35	185–240	SOJ 363-1 240 HSTS	4.3
36	33.5–46.5	185–240	SOJ 364-1 240 HSTS	5.2
36	33.5–46.5	300–400	SOJ 364-1 400 HSTS	5.3
36	33.5–46.5	500–630	SOJ 365-1 500 HSTS*	5.5
Cable joint for 1-core				
36	19–23.5	50–70	SOJ 361-3 70 HSTS	5.8
36	22.5–28	50–70	SOJ 362-3 70 HSTS	6.9
36	22.5–28	95	SOJ 362-3 95 HSTS	6.9
36	27–35	95–150	SOJ 363-3 150 HSTS	8.8
36	27–35	185–240	SOJ 363-3 240 HSTS	8.8
36	33.5–46.5	185–240	SOJ 364-3 240 HSTS	10.6
36	33.5–46.5	300–400	SOJ 364-3 400 HSTS	10.7
36	33.5–46.5	500–630	SOJ 365-3 500 HSTS*	10.9

* Fits to 630 mm^2 if insulation diameter is 33.5–46.5.

Accessories, to be ordered separately



CSK



ADAPTER



WIM

Accessories	Use	See page
CSK	Branch seal for transition between 3- and 1-cor cables	18
ADAPTER	Cables with different dimensions	17
WIM 3	Diffusion seal	18
JSA 10–13	Cables with Cu-tape screen	57
JSA 14–16	Cables with Al-foil screen	57