

TT-24CSJ THREE CORE STRAIGHT JOINT

Up to 24 kV

Application

For jointing three core polymeric cables to be directly buried. The product is fully screened and fully submersible.

Technical characteristics

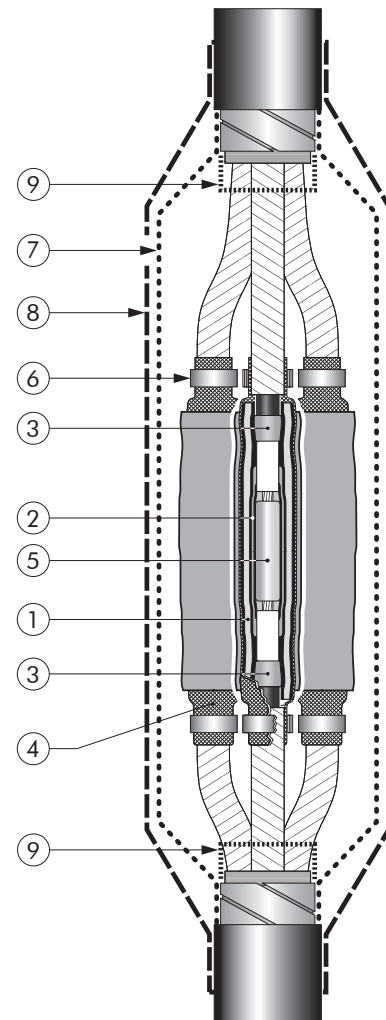
- All joint bodies are tested for AC withstand prior to leaving the factory.
- All different types of armouring and screen connection systems are possible.
- Extra water sealing system available.

6/10 (12) kV
6.35/11 (12) kV
8.7/15 (17.5) kV
12/20 (24) kV
12.7/22 (24) kV

Design

The joint comprises:

1. Extruded triple layer EPDM rubber body.
2. Two layer plate with a semi-conductive and a field control mastic layer.
3. Field control mastic.
4. Copper stocking or mesh.
5. Conductor connector (not included in the standard kit).
6. Roll springs.
7. Screen and armour continuity (adapted to the specific needs).
8. Overall protective cover, can be:
 - heat-shrinkable or
 - poured resin or
 - resin injected tape.
9. Water sealing system (if required).



Specifications and standards

This joint meets the requirements of CENELEC HD 629.1.

| Cold-shrinkable straight joint type | Voltage U_m (kV) | Diameter over core insulation (mm) | | Conductor sizes for 24 kV (mm ²) (for information only) | |
|-------------------------------------|--------------------|------------------------------------|-----|---|-----|
| | | min | max | min | max |
| TT-24CSJ-1 | 24 | 18 | 30 | 35 | 185 |
| TT-24CSJ-2 | 24 | 23 | 33 | 95 | 300 |

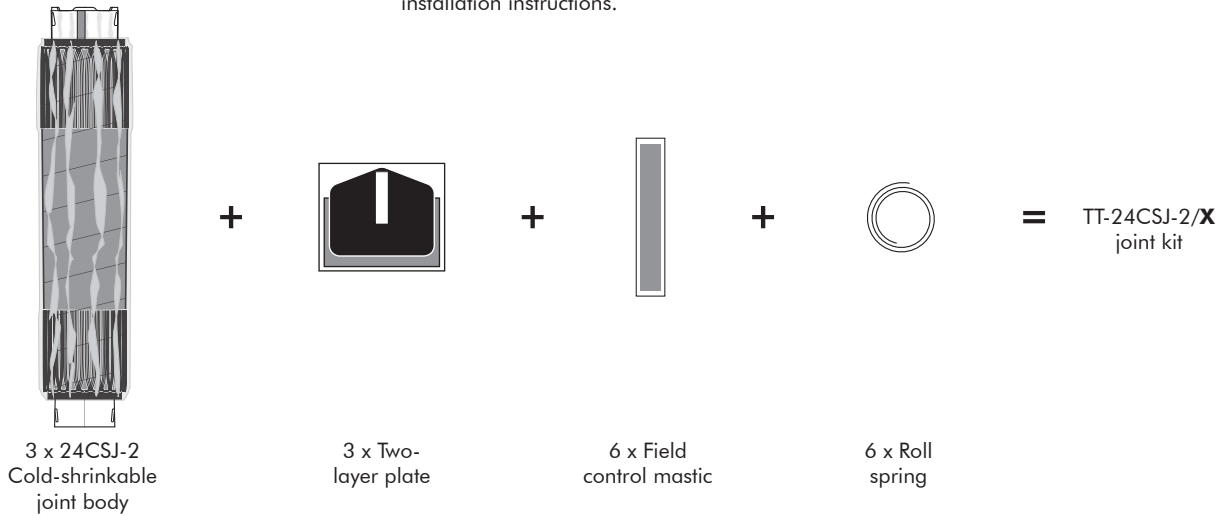
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Kit contents

The complete cold-shrinkable joint kit comprises the following components:

The kit also comprises a pulling hook, adhesive tape, roll springs, water sealing mastic, lubricant, wipers, gloves and installation instructions.

Depending on the type of the cable armour and the outer protection required, other components will be included in the kit.



Ordering instructions

Make sure cable outer sheath and core insulation diameters correspond to the range shown in the table below.

Select the part number and add the code corresponding to the type of cover required. Please indicate the required earth connection and provide

the cable data sheet for screening and/or armour connection solution (see Enquiry sheet p. 26).

| Ordering part number | Conductor sizes (mm ²) (for information only) | | | | | | | | | Diameter over core insulation (mm) | Diameter over outer sheath (mm) |
|----------------------|--|----|----|----|-----|-----|-----|-----|-----|------------------------------------|---------------------------------|
| | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 | | |
| TT-24CSJ-1/X | TT-24CSJ-1/X | | | | | | | | | 18 - 30 | 80 max |
| TT-24CSJ-2/X | TT-24CSJ-2/X | | | | | | | | | 23 - 33 | 80 max |

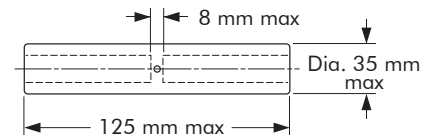
Example:

The three core cable with individual copper tape screen is 24 kV, 3 x 120 mm² stranded aluminium, without armour (with a diameter over core insulation of 26.6 mm and over outer sheath 67.4 mm) and a heat-shrinkable cover is required. Order a TT-24CSJ-2/HSS joint kit.

Table X

| Cover type | Description |
|------------|--|
| /HSS | The joint will be supplied with a heat-shrinkable cover |
| /TIR | The joint will be supplied with a taped injected resin cover |
| /PBR | The joint will be supplied with a poured resin box cover |

All types of conductor connectors can be used. The conductor connectors must be within the dimensions specified.



| | | | | | |
|--|---|--|---|---|--|
| | | | | | |
| For use with other cable types. Please contact our representative. | A special water sealing system is available. Please contact our representative. | Different armour connections are available. Please contact our representative. | Different types of screen continuity kits can be supplied. Please contact our representative. | Can be supplied as a stop joint. Please contact our representative. | Can be supplied with all common types of conductor connectors. |

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