

# GTS1

## HEAT-SHRINKABLE SINGLE CORE XLPE STRAIGHT JOINT

### Application

For jointing polymeric cable to be laid in air or directly buried. The product is fully screened and fully submersible.

Up to 36 kV

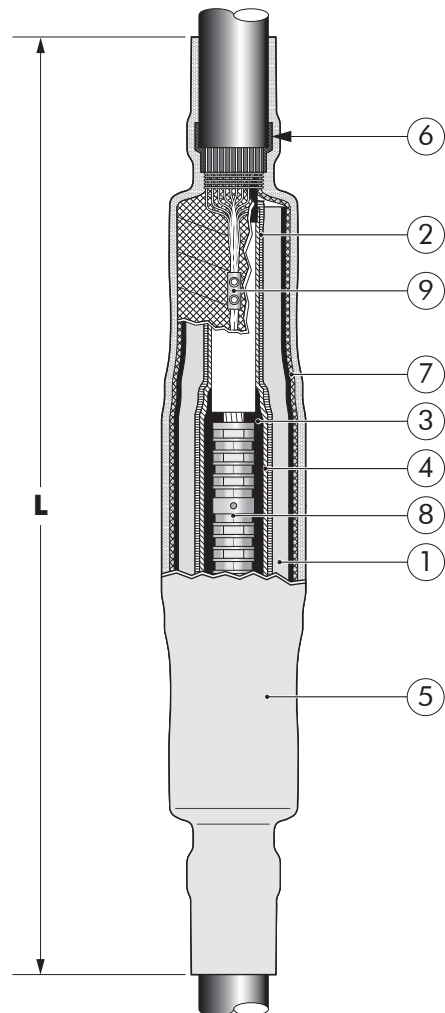
|         |        |    |
|---------|--------|----|
| 6/10    | (12)   | kV |
| 6.35/11 | (12)   | kV |
| 8.7/15  | (17.5) | kV |
| 12/20   | (24)   | kV |
| 12.7/22 | (24)   | kV |
| 18/30   | (36)   | kV |
| 19/33   | (36)   | kV |

### Design

1. Dual wall tube.
2. Stress control tube.
3. Stress control mastic.
4. Non-tracking tube (only for 36GTS1).
5. Overall protection tube.
6. Sealing mastic.
7. Screen continuity (copper mesh).
8. Conductor connector (supplied on request).
9. Ferrule for screen wires.

### Specifications and standards

Meets the requirements of CENELEC HD 629.2 and IEC 60502-4.

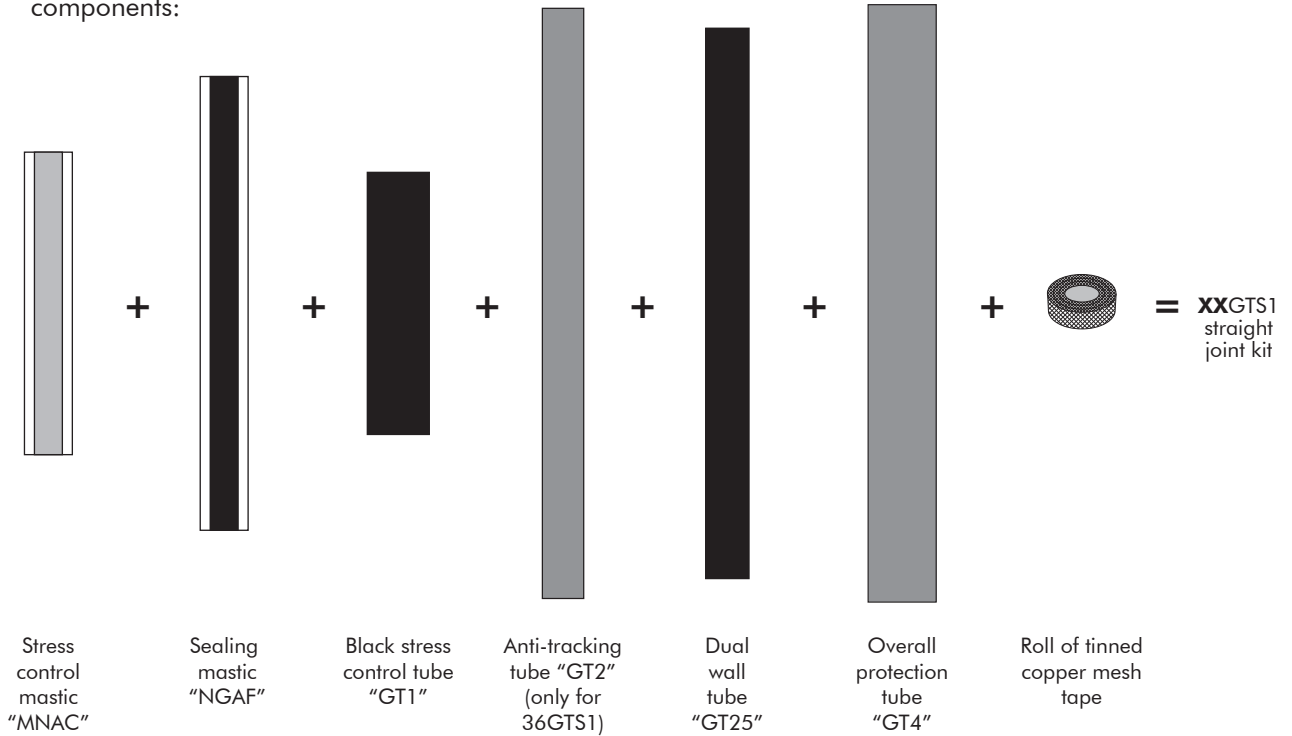


| Straight Joint type | Voltage Um (kV) | Length "L" (mm) | Conductor sizes (mm <sup>2</sup> ) |     |
|---------------------|-----------------|-----------------|------------------------------------|-----|
|                     |                 |                 | min                                | max |
| 17GTS1              | 12 & 17.5       | 750             | 25                                 | 630 |
| 24GTS1              | 24              | 750             | 25                                 | 630 |
| 36GTS1              | 36              | 750 - 1000      | 35                                 | 630 |

03/2009

## Kit contents

The complete GTS1 joint kit comprises the following components:



The kit also comprises installation instructions, semi-conductive tape, adhesive tape, a copper braid and a ferrule for the screen wire connection.

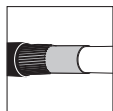
## Ordering instructions

Select the part number corresponding to both system voltage and conductor size.

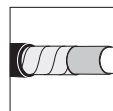
### Example:

The copper wire screened cable is 12 kV, 150 mm<sup>2</sup> stranded aluminium.  
Order: 17GTS1.240w.

| Ordering part number | Voltage U <sub>0</sub> /U (kV) | Conductor size range (mm <sup>2</sup> ) |     |
|----------------------|--------------------------------|---|-----|
|                      |                                | min                                     | max |
| 17GTS1.50w           | 6/10 & 6.35/11 & 8.7/15        | 25                                      | 50  |
| 17GTS1.95w           | 6/10 & 6.35/11 & 8.7/15        | 50                                      | 95  |
| 17GTS1.240w          | 6/10 & 6.35/11 & 8.7/15        | 95                                      | 240 |
| 17GTS1.630w          | 6/10 & 6.35/11 & 8.7/15        | 240                                     | 630 |
| 24GTS1.50w           | 12/20 & 12.7/22                | 25                                      | 50  |
| 24GTS1.240w          | 12/20 & 12.7/22                | 50                                      | 240 |
| 24GTS1.400w          | 12/20 & 12.7/22                | 150                                     | 400 |
| 24GTS1.630w          | 12/20 & 12.7/22                | 400                                     | 630 |
| 36GTS1.95i           | 18/30 & 19/33                  | 35                                      | 95  |
| 36GTS1.240i          | 18/30 & 19/33                  | 70                                      | 240 |
| 36GTS1.400i          | 18/30 & 19/33                  | 120                                     | 400 |
| 36GTS1.630i          | 18/30 & 19/33                  | 400                                     | 630 |



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



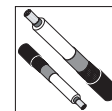
For use with copper tape screened cables. Order: -Aw/-Ai instead of -w/-i (e.g. 17GTS1.240Aw).



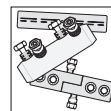
For use with other cable types. Please contact our representative.



For use with three-core cables: see GTS3.



When jointing cables of different sizes, please contact our representative.



Can be supplied with all common types of conductor connectors.



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