

# 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**

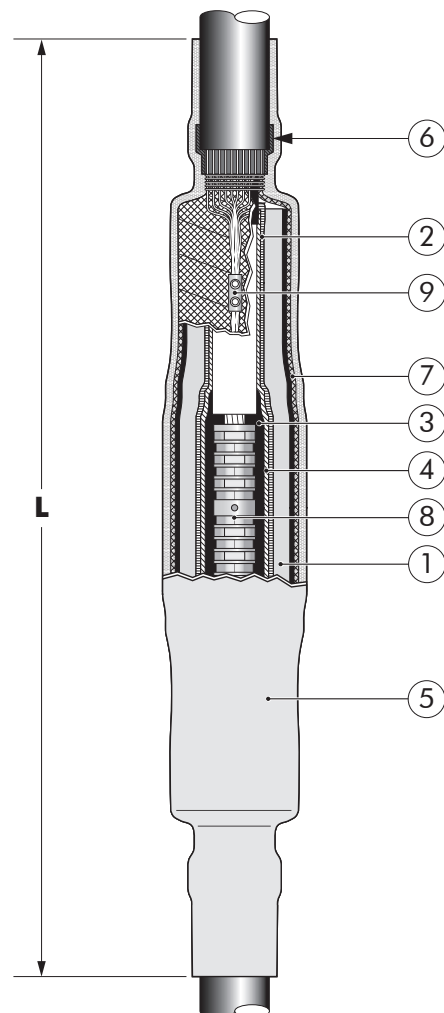
6/10	(12)	kV
6.35/11	(12)	kV
8.7/15	(17.5)	kV
12/20	(24)	kV
12.7/22	(24)	kV
18/30	(36)	kV
19/33	(36)	kV

### 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.

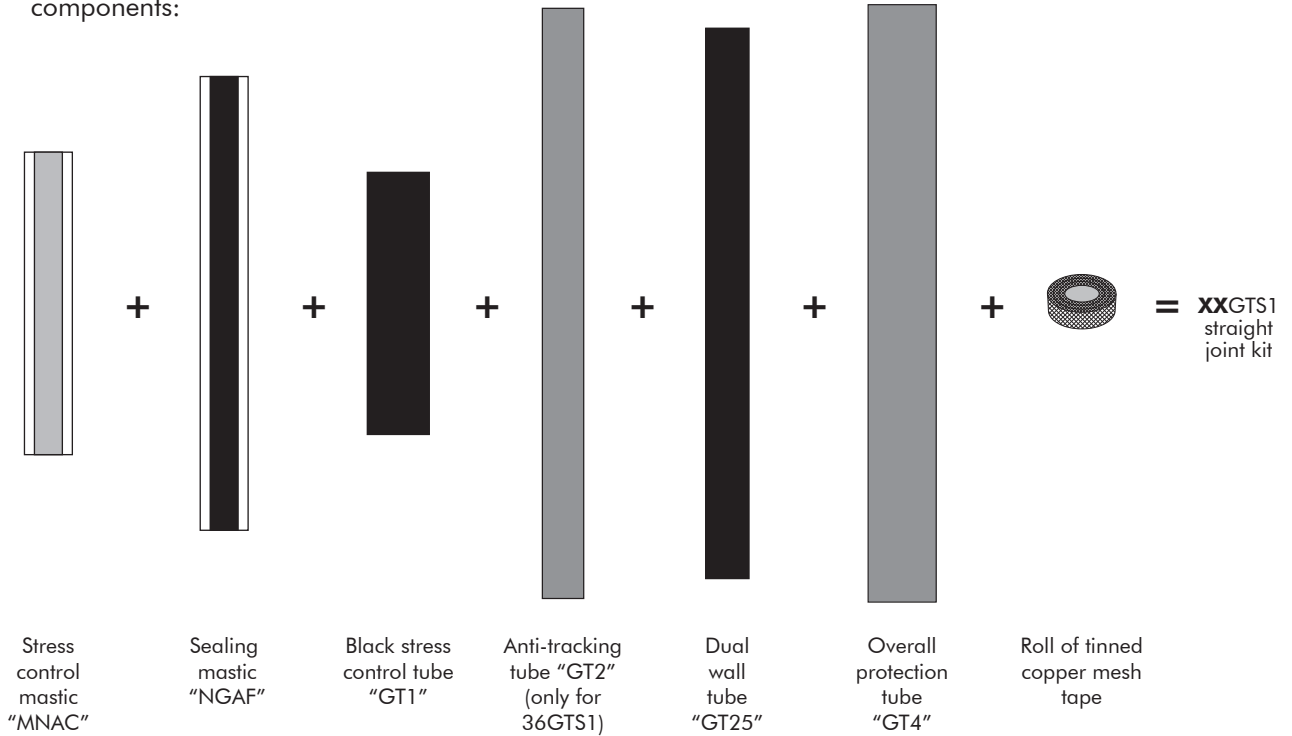


Straight Joint type	Voltage Um (kV)	Length "L" (mm)	Conductor sizes (mm <sup>2</sup> )	
			min	max
17GTS1	12 & 17.5	750	25	630
24GTS1	24	750	25	630
36GTS1	36	750 - 1000	35	630

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.

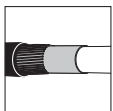
## Ordering instructions

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

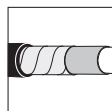
### Example:

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



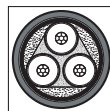
For use with copper wire screened cables. No further earthing device is necessary.



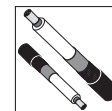
For use with copper tape screened cables. Order: -Aw/-Ai instead of -w/-i (e.g. 17GTS1.240Aw).



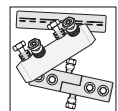
For use with other cable types. Please contact our representative.



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.



**www.cable-jointing.com**  
**Tel: +44 (0) 1482 37 37 20**

**info@cable-jointing.com**  
**Fax: +44 (0) 1482 24 20 20**

Bonus Power Systems Limited. Head Office and Global Distribution Centre, Connaught Rd, Kingswood Business Park, Hull, E.Yorkshire, UK. HU7 3AP. Specialist Electrical Distribution UK and Worldwide. Low Voltage to Extra High Voltage Cables, Joints, Terminations, Tools, Cable Jointing Accessories.