

# GTC3

## HEAT-SHRINKABLE THREE CORE PILC STRAIGHT JOINT

Up to 36 kV

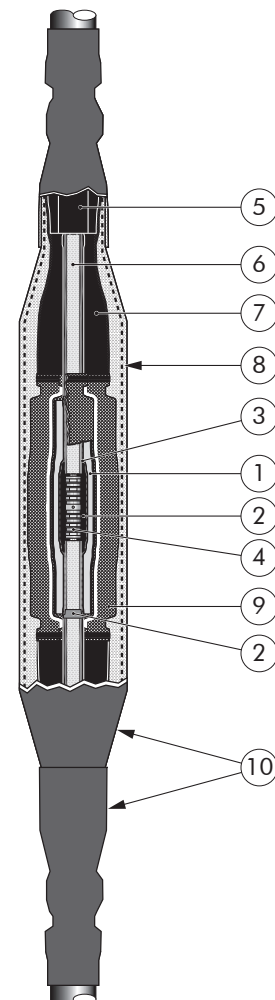
### Application

For jointing three-core paper cables (draining and non-draining). For use with belted or screened (Höchstädter) cables with a common lead sheath. This joint is fully screened, submersible and suitable to be directly buried.

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. Hi-K mastic.
3. Stress control tube.
4. Conductor connector (supplied on request).
5. Semi-conductive break-out.
6. Barrier tube.
7. Semi-conductive tubes.
8. Canister.
9. Screen continuity (copper braid and mesh).
10. Overall protection tubes.



### Specifications and standards

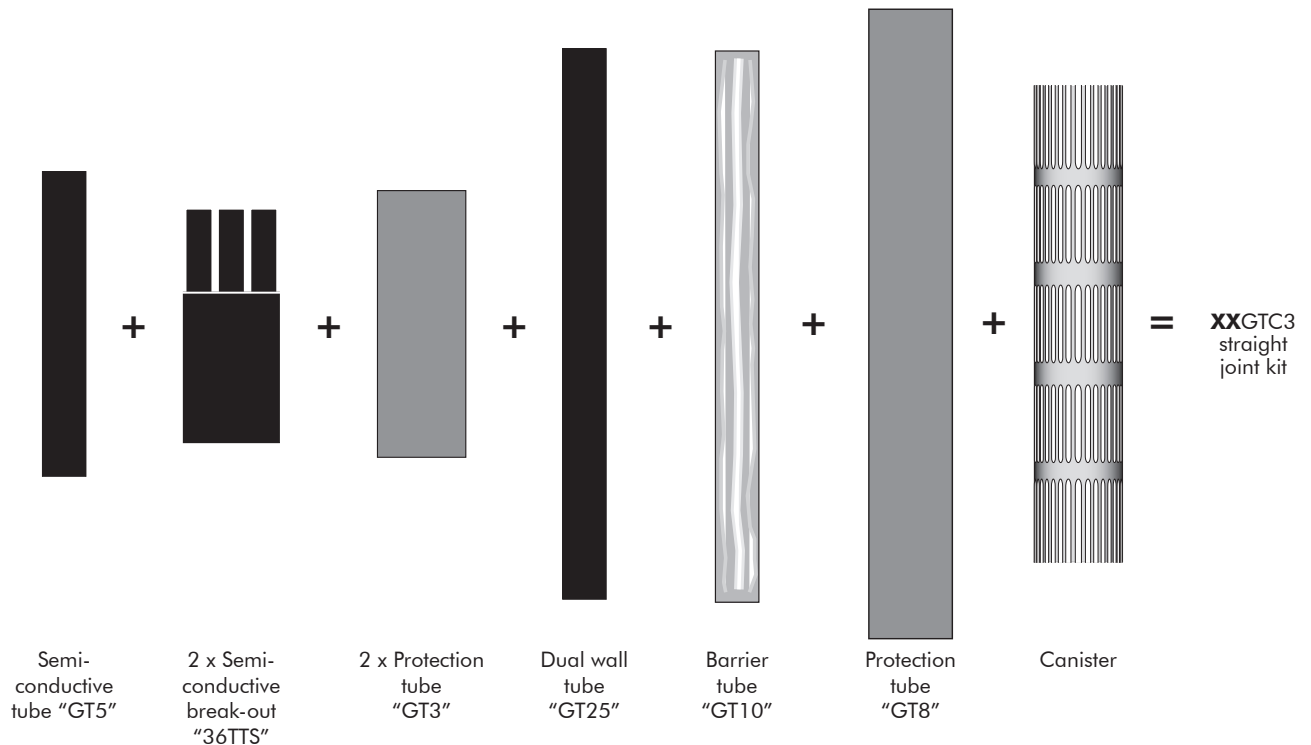
Meets the requirements of CENELEC HD 629.2 and IEC 60502-4.

Straight Joint type	Voltage Um (kV)	Length "L" (mm)	Conductor sizes (mm <sup>2</sup> )	
			min	max
17GTC3	12 - 17.5	1600 - 1800	25	400
24GTC3	24	1800	25	400
36GTC3	36	1800 - 2100	35	400

## Kit contents

The complete GTC3 joint kit comprises the following components:

The kit also comprises installation instructions, semi-conductive tape, Hi-K and stress control mastic, sealing mastic "NGAF", adhesive tape, copper braid, tinned copper mesh tape, armour continuity and roll springs.



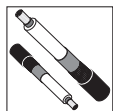
## Ordering instructions

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

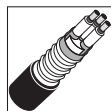
### Example:

The cable is 24 kV, 3 x 120 mm<sup>2</sup> stranded aluminium, with non-draining paper insulation. It has an individual tape screen and a steel wire armour. Order: 24GTC3.240k.

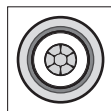
Ordering part number	Voltage U <sub>0</sub> /U (kV)	Conductor size range (mm <sup>2</sup> )	
		min	max
17GTC3.50k	6/10 and 8.7/15	25	50
17GTC3.95k	6/10 and 8.7/15	50	95
17GTC3.300k	6/10 and 8.7/15	95	300
17GTC3.400k	6/10 and 8.7/15	240	400
24GTC3.50k	12/20	25	50
24GTC3.240k	12/20	50	240
24GTC3.400k	12/20	150	400
36GTC3.95k	18/30	35	95
36GTC3.240k	18/30	70	240
36GTC3.400k	18/30	150	400



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



For use with PICAS cables. Please contact our representative.



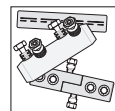
For use with single core cables, please contact our representative.



For use with individual lead screened cables, please contact our representative.



For use with XLPE cables: see GTS3.



Can be supplied with all common types of conductor connectors.



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