

# 440TB INTERFACE C TEE CONNECTOR

## Application

Separable tee shape connector (bolted type) designed to connect polymeric insulated cable to equipment (transformers, switchgear, motors, ...). Also connects cable to cable when using the appropriate mating parts.

## Technical characteristics

- The thick conductive EPDM jacket provides a total safe to touch screen which ensures safety for personnel.
- Each separable connector is tested for AC withstand and partial discharge prior to leaving the factory.

**Up to 41.5 kV  
630 A (1250 A)**

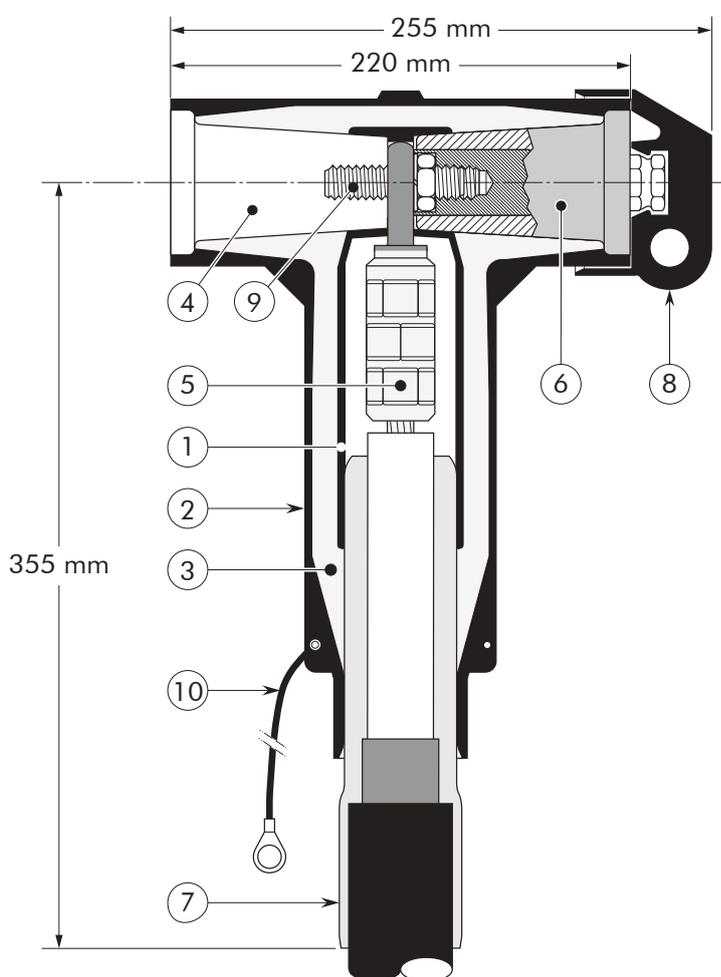
6/10	(12)	kV
6.35/11	(12)	kV
8.7/15	(17.5)	kV
12/20	(24)	kV
12.7/22	(24)	kV
18/30	(36)	kV
19/33	(36)	kV
20.8/36	(41.5)	kV

## Design

Separable connector comprising:

- Conductive EPDM insert.
- Conductive EPDM jacket.
- Insulating EPDM layer moulded between the insert and the jacket.
- Type C - 630 A interface as described by CENELEC EN 50180 and 50181.
- Conductor connector.
- Basic insulating plug (with VD point).
- Cable reducer.
- Conductive rubber cap.
- Clamping screw.
- Earthing lead.

The screen break design enables cable outer sheath testing without removing or dismantling the connector.



## Specifications and standards

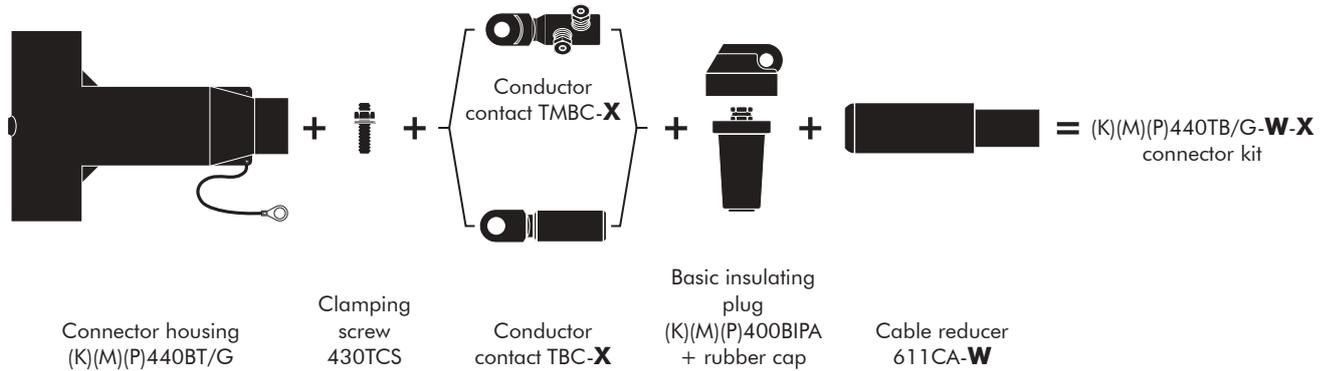
The 440TB separable connector meets the requirements of CENELEC HD 629.1.

Separable connector type	Voltage $U_m$ (kV)	Current $I_r$ (A)	Current $I_r$ (A) When installed on an appropriate equipment bushing	Conductor sizes (mm <sup>2</sup> )	
				min	max
440TB/G	12	630	1250	185	630
K440TB/G	24	630	1250	185	630
M440TB/G	36	630	1250	185	630
P440TB/G	41.5	630	1250	185	630

## Kit contents

The complete (K)(M)(P)440TB/G tee connector kit comprises the following components:

The kit also comprises silicone grease, field control mastic, installation instructions and crimp chart.



## Ordering instructions

To order the tee connector, select the ordering part number which gives you the best centring of your core insulation diameter and substitute **X** using table X, according to your conductor size and type. Add a 'K' for use up to 24 kV, add an 'M' for use up to 36 kV, add a 'P' for use up to 41.5 kV.

### Example:

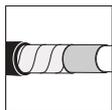
The copper wire screened cable is 36 kV, 240 mm<sup>2</sup> stranded aluminium with a diameter over core insulation of 37.0 mm. Order a M440TB/G-32-240(K)M-12-2 tee connector kit.

Table W

Ordering part number	Dia. over core insulation (mm)	
	min	max
440TB/G-22-X	23.5	31.0
440TB/G-27-X	28.5	37.5
440TB/G-32-X	34.0	42.5
440TB/G-37-X	39.0	48.5
440TB/G-43-X	45.5	56.0

Table X

Conductor sizes (mm <sup>2</sup> )	Aluminium conductor			Copper conductor	
	DIN hexagonal	Deep indent	Bolted	DIN hexagonal	Bolted
185	185(K)M-12-2	185KM-12-1	185.400-14-5	185(K)M-11-2	185.400-14-5
240	240(K)M-12-2	240KM-12-1		240(K)M-11-2	
300	300(K)M-12-2	300KM-12-1		300(K)M-11-2	
400	400(K)M-12-2	400KM-12-1	400.630-14-5	400(K)M-11-2	400.630-14-5
500	500(K)M-12-2	500KM-12-1		500(K)M-11-2	
630	-	630KM-12-1		630(K)M-11-2	-



For use with copper tape screened cables. Order: Kit MT.



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



For applications outdoors and in humid climate. Order: +MWS.



For use in potentially explosive atmospheres (for 12 kV max). Add -/ATEX to part number.



Components can be ordered individually.



When installed on an appropriate equipment bushing: 1250 A continuously

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