

944TB INTERFACE F ASYMMETRICAL TEE CONNECTOR

Up to 42 kV
Up to 2500 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
20.8/36	(42)	kV

Application

Separable tee shape connector designed to connect polymeric insulated cable to equipment (transformers, switchgear, motors, ...).

Also connects cable to cable when using the appropriate mating parts.

Technical characteristics

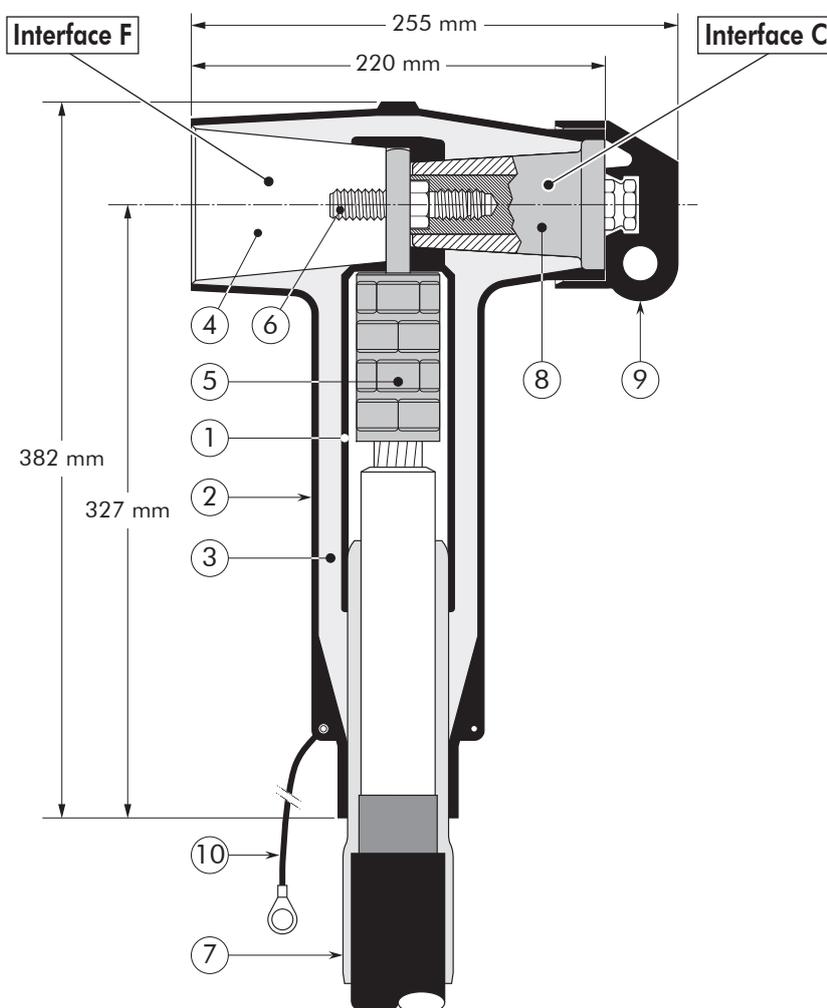
- The thick conductive EPDM jacket provides a total safe to touch screen which ensures safety for personnel.
- Each separable connector is tested for AC withstand and partial discharge prior to leaving the factory.

Design

Separable connector comprising:

1. Conductive EPDM insert.
2. Conductive EPDM jacket.
3. Insulating EPDM layer moulded between the insert and the jacket.
4. Type F interface as described by CENELEC EN 50180 and 50181.
5. Conductor connector.
6. Clamping screw.
7. Cable reducer.
8. Basic insulating plug (with VD point), type C interface as described by CENELEC EN 50180 and 50181.
9. Conductive rubber cap.
10. Earthing lead.

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



Specifications and standards

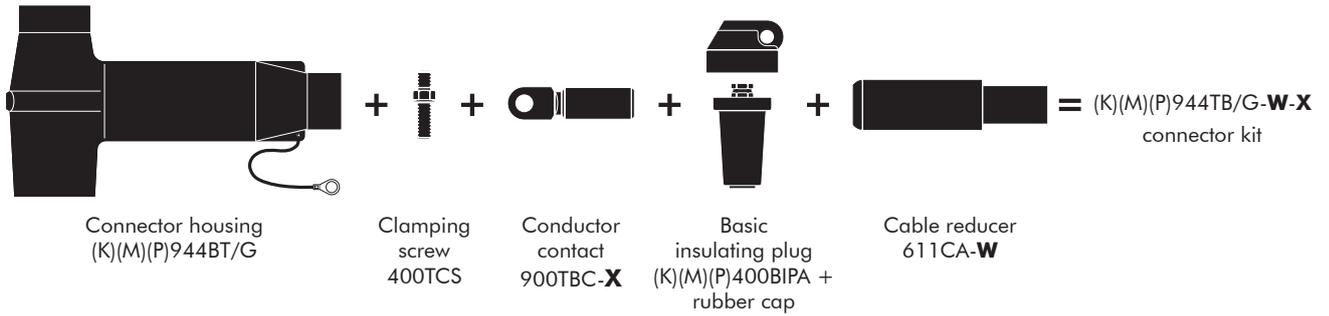
The 944TB/G separable connector meets the test requirements of CENELEC HD 629.1.

Separable connector type	Voltage U_m (kV)	Current I_r (A)	Conductor sizes (mm ²)	
			min	max
944TB/G	12	2500	95	800
K944TB/G	24	2500	95	800
M944TB/G	36	2500	95	800
P944TB/G	42	1250	95	800

Kit contents

The complete tee connector kit comprises the following components:

The kit also comprises lubricant, wipers, 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 42 kV.

Table W

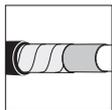
Ordering part number	Dia. over core insulation (mm)	
	min	max
944TB/G-15-X	16.0	22.0
944TB/G-19-X	20.0	26.5
944TB/G-22-X	23.5	31.0
944TB/G-27-X	28.5	37.5
944TB/G-32-X	34.0	42.5
944TB/G-37-X	39.0	48.5
944TB/G-43-X	45.5	56.0

Table X

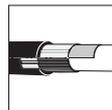
Conductor sizes (mm ²)	Aluminium conductor		Copper conductor
	DIN hexagonal	Deep indent	DIN hexagonal
95	95(K)M-12-2	95(K)M-12-1	95(K)M-11-2
120	120(K)M-12-2	120(K)M-12-1	120(K)M-11-2
150	150(K)M-12-2	150(K)M-12-1	150(K)M-11-2
185	185(K)M-12-2	185(K)M-12-1	185(K)M-11-2
240	240(K)M-12-2	240(K)M-12-1	240(K)M-11-2
300	300(K)M-12-2	300(K)M-12-1	300(K)M-11-2
400	400(K)M-12-2	400(K)M-12-1	400(K)M-11-2
500	500(K)M-12-2	500(K)M-12-1	500(K)M-11-2
630	630(K)M-12-2	630(K)M-12-1	630(K)M-11-2
800	-	-	800(K)M-11-2

Example:

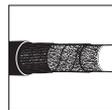
The copper wire screened cable is 24 kV, 630 mm² stranded aluminium with a diameter over core insulation of 44.0 mm. Order a K944TB/G-37-630(K)M-12-2 tee connector kit.



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



For use with AluPe or C 33-226 cables. Please contact our representative.



For use with fabric tape (graphite) screened cables. Order additional semi-conductive tape (type TSC).



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



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



Components can be ordered individually.