

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.

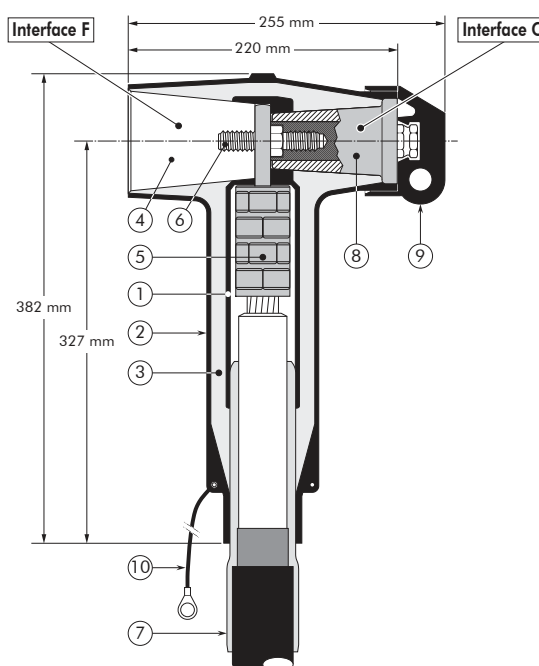


DESIGN

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.



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

Up to 42 kV - 2500 A

EUROMOLD®

SPECIFICATIONS AND STANDARDS

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

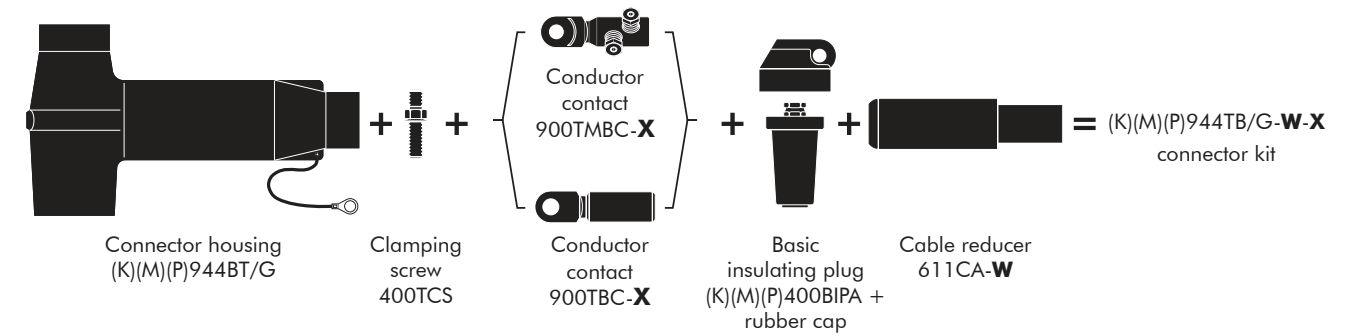
Separable connector type	Voltage U_m (kV)	Current I_r (A)	Conductor sizes (mm ²)	
			min	max
944TB/G	12	2500	95	800
K944TB/G	24	2500	95	800
M944TB/G	36	2500	95	800
P944TB/G	42	1250	95	800

05/2017

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

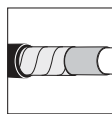
Ordering part number	Dia. over core insulation (mm)	
	min	max
944TB/G-15-X	16.0	22.0
944TB/G-19-X	20.0	26.5
944TB/G-22-X	23.5	31.0
944TB/G-27-X	28.5	37.5
944TB/G-32-X	34.0	42.5
944TB/G-37-X	39.0	48.5
944TB/G-43-X	45.5	56.0

TABLE X

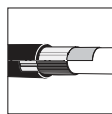
Conductor sizes (mm ²)	Aluminium conductor		Aluminium and copper conductor	Copper conductor
	DIN hexagonal	Deep indent	Bolted	DIN hexagonal
95	95AL2	95AL1	95.150UN5 95.240UN5 120.300UN5 185.400UN5 400.630UN5	95CU2
120	120AL2	120AL1		120CU2
150	150AL2	150AL1		150CU2
185	185AL2	185AL1		185CU2
240	240AL2	240AL1		240CU2
300	300AL2	300AL1		300CU2
400	400AL2	400AL1		400CU2
500	500AL2	500AL1		500CU2
630	630AL2	630AL1		630CU2
800	-	-		800CU2

EXAMPLE:

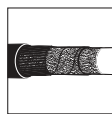
The copper wire screened cable is 24 kV, 630 mm² stranded aluminium with a diameter over core insulation of 44.0 mm. Order a K944TB/G-37-630AL2 tee connector kit.



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



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



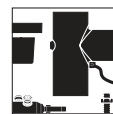
For use with fabric tape (graphite) screened cables. Order additional semi-conductive tape (type TSC).



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



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



Components can be ordered individually.