



## TE'S RAYCHEM SCREENED T-CONNECTORS RSTI-X9

FOR LARGE CROSS SECTIONS, INTERFACE C, RATED UP TO 1250A/42 kV

### KEY FEATURES

- Screened connector does not need to be removed for over sheath testing
- Wide application range covers cable cross sections from 400 mm<sup>2</sup> to 1000 mm<sup>2</sup>
- Easy access rear plug with capacitive test point
- Insulation made of highly modified silicone rubber
- Compact design supports use of double "T" connections inside standard terminal boxes
- Unlimited shelf-life

TE Connectivity's (TE) Raychem Screened separable T-connectors RSTI-x9 are designed to connect single and three-core polymeric cables to medium voltage gas insulated switchgear and other equipment using bushings type "C" (EN50180/EN50181) specified for 630/1250A up to 42 kV.

Made of a highly modified silicone rubber and screened by a thin-walled, grounded outer conductive screen, TE's Raychem RSTI-x9 connectors are equally suited for indoor and outdoor application.

Supporting a wide application range, the design incorporates one body and three stress cone adapters to cover any cross-sections from 400 mm<sup>2</sup> to 1000 mm<sup>2</sup> and any voltage classes from 12 kV to 42 kV. The conductor connection will be provided with mechanical lugs. The overall and cut-back dimensions are designed to take up minimum space in the terminal box.

TE's Raychem RSTI-x9 connectors are equipped with a capacitive test point for determining whether the circuit is energised. A conductive cap protects this test point.

The RSTI-x9 connectors exceeds CENELEC HD 629.1 S2 requirements, which includes BS; VDE and other international specifications. Our kits include high performance mechanical lugs.

**Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.**

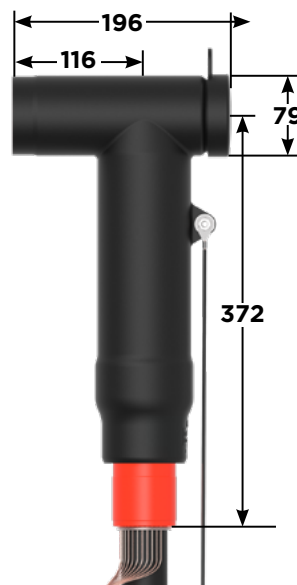
## TE's Raychem Screened T-Connectors RSTI-x9



The RSTI-x9 screened cable connectors meet CENELEC HD 629.1 S2 requirements, which includes BS, VDE and other international specifications.

TECHNICAL DATA	
Cable insulation diameter range	28.9 mm - 59.0 mm
Connector cross-section range	400 mm <sup>2</sup> - 1000 mm <sup>2</sup>
Maximum system voltage	42 kV
Continuous current rating	1250A*
Basic impulse level	200 kV
Partial discharge at 2 U <sub>0</sub>	< 2 pC
AC voltage withstand, 5 min.	93.5 kV
DC voltage withstand, 15 min.	125 kV
Thermal short circuit, 1 s	74.5 kA
Thermal short circuit, 3 s	43 kA
Dynamic short circuit	125 kA

\* 1250 A is relevant for upgraded bushing C2 and cables with copper conductors.  
The adapters meet the international CENELEC HD 629.1 S2 specification.



PRODUCT SELECTION INFORMATION			
Description	Diameter Core Insulation (mm)		Cross Section (mm <sup>2</sup> )
	min	max	
<b>12 kV with mechanical lugs</b>			
RSTI-3951 (Al or Cu)	28.9	36.4	400
RSTI-3952 (Al or Cu)	28.9	36.4	500
RSTI-3953 (Al or Cu)	34.0	45.4	630
RSTI-3954 (Al or Cu)	34.0	45.4	800
RSTI-3955 (Al or Cu)	39.1	59.0	1000
<b>24 kV with mechanical lugs</b>			
RSTI-5951 (Al or Cu)	34.0	45.4	400
RSTI-5952 (Al or Cu)	34.0	45.4	500-630
RSTI-5953 (Al or Cu)	39.1	59.0	630
RSTI-5954 (Al or Cu)	39.1	59.0	800
RSTI-5955 (Al or Cu)	39.1	59.0	1000
<b>36 and 42 kV with mechanical lugs</b>			
RSTI-6951 (Al or Cu)	34.0	45.4	400
RSTI-6952 (Al or Cu)	39.1	59.0	500 - 630
RSTI-6953 (Al or Cu)	39.1	59.0	800

### TEST REPORT

PPR-2704

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