



## SCREENED SEPARABLE CONNECTION SYSTEM

### RSTI-68 FOR 630/1250 A UP TO 42 kV

#### KEY FEATURES

- The insulation made highly modified silicone rubber
- Thin-walled screen protects the connection system
- Easily accessible rear plug with capacitive test point
- Few accessories required for system test
- Complete kit including lugs facilitates installation and storage

TE Connectivity's (TE) Raychem RSTI screened separable connectors are designed to connect single- and three-core polymeric cables to medium-voltage gas insulated switchgear and other equipment using bushings Type "C" (EN 50180/EN 50181), specified for 630/1250A up to 42 kV.

Made of a highly modified silicone rubber and protected by a thin-walled outer conductive screen connected to earth, Raychem connectors RSTI-68 are equally suited for indoor and outdoor installation. Supporting a wide application range, the design incorporates one body and two stress cone adapters to cover all cross-sections from 25 to 300 mm<sup>2</sup>. The overall and cut-back dimensions are designed to take up minimum space in the terminal box.

Raychem connectors RSTI-68 are equipped with a capacitive test point for determining whether the circuit is energised. This test point is protected by a conductive cap. After cable preparation and lubrication, the stress control adapter is simply slid into place, followed by the screened connector body. These two components can be installed under virtually any conditions. A separable mounting system ensures easy installation of the connector onto the bushing.

All kits include high-performance multi-range mechanical or DIN compression lugs matching the design of the Raychem connector RSTI-68.

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

## Screened Separable Connection System



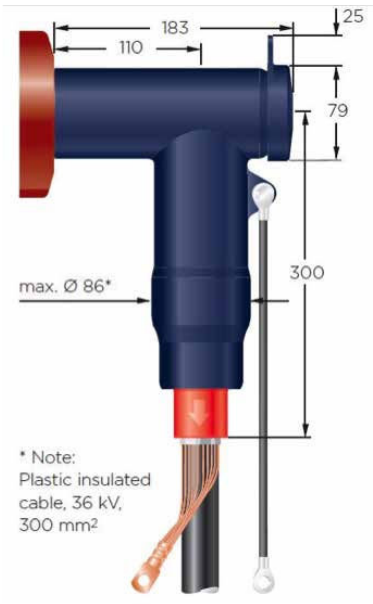
The screened cable connector RSTI-68 meets the international CENELEC HD 629.1 S2 specification, which includes BS, VDE and other international specifications.

TECHNICAL DATA	
Cable insulation diameter range	21,0 - 42,0 mm
Connector cross-section range	25 - 300 mm <sup>2</sup>
Maximum system voltage	42 kV
Continuous current rating	800A
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	55 kA
Thermal short circuit, 3 s	32 kA

PRODUCT SELECTION INFORMATION				
Description		Diameter Core Insulation (mm)		Cross Section (mm <sup>2</sup> )
Aluminum	Copper	min	max	
with DIN compression lugs				
RSTI-6811	RSTI-6821	22,4	35,5	50
RSTI-6812	RSTI-6822	22,4	35,5	70
RSTI-6813	RSTI-6823	22,4	35,5	95
RSTI-6814	RSTI-6824	22,4	35,5	120
RSTI-6815	RSTI-6825	28,9	42,0	150
RSTI-6816	RSTI-6826	28,9	42,0	185
RSTI-6817	RSTI-6827	28,9	42,0	240
RSTI-6818	RSTI-6828	28,9	42,0	300
with mechanical lugs and shearbolts				
RSTI-6851 (Al or Cu)		22,4	35,5	25 - 95
RSTI-6852 (Al or Cu)		22,4	35,5	95 - 150
RSTI-6853 (Al or Cu)		28,9	42,0	120 - 240
RSTI-6854 (Al or Cu)		28,9	42,0	185 - 300

Kits including deep indent lugs are on request. Contact your local sales representative.

TEST REPORT
PPR-2687



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