



## RSTI-68

### Screened separable connection system 1250 A up to 42 kV

#### General Description

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 CENELEC bushings Type C1=630 A and C2=1250 A, specified up to 42 kV. Made of a highly modified silicone rubber and protected by a thin walled outer conductive screen connected to earth, RSTI connectors 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 35 to 300 mm<sup>2</sup>. The overall and cut back dimensions are designed to take up minimum space in the terminal box. RSTI connectors are equipped with a capacitive test point for determining whether the circuit is energised. A conductive cap protects this test point.



#### Features & Benefits

- The insulation of the connector is made of a highly modified silicone rubber characterised by high tracking resistance, elongation at break and non-flammability.
- A thin walled screen is permanently bonded onto the insulation and protects the connection system against accidental contact.
- The screened connector need not be removed for over sheath testing.
- The screened cable connector exceeds CENELEC HD 629.1 S2 requirements, which includes BS; VDE and other international specifications.
- Design fits 630 A and 1250 A bushings (Interface "C1" and "C2") as specified by EN 50180 and EN 50181.
- The compact design supports the use of double "T" connections inside standard terminal boxes.
- The wide application range covers cable cross sections from 35 to 300 mm<sup>2</sup>.
- Conductor connection with mechanical, DIN or deep indent lugs.
- Easily accessible rear plug with capacitive test point.
- Few accessories required for system test, double "T" and earth connection.
- Complete kit including lugs facilitates installation and storage.

## Selection Information: dimensions shown in millimeters

Catalog Number	Cross Section (mm <sup>2</sup> )	Diameter Reference number Core insulation (mm)	Lugs type	Voltage Level	Type
RSTI-6811	50	22.4- 35.5	Al Compression lugs	42	Front
RSTI-6812	70	22.4- 35.5	Al Compression lugs	42	Front
RSTI-6813	95	22.4- 35.5	Al Compression lugs	42	Front
RSTI-6814	120	22.4- 35.5	Al Compression lugs	42	Front
RSTI-6815	150	28.9- 42.0	Al Compression lugs	42	Front
RSTI-6816	185	28.9- 42.0	Al Compression lugs	42	Front
RSTI-6817	240	28.9- 42.0	Al Compression lugs	42	Front
RSTI-6818	300	28.9- 42.0	Al Compression lugs	42	Front
RSTI-6821	50	22.4- 35.5	Cu Compression lugs	42	Front
RSTI-6822	70	22.4- 35.5	Cu Compression lugs	42	Front
RSTI-6823	95	22.4- 35.5	Cu Compression lugs	42	Front
RSTI-6824	120	22.4- 35.5	Cu Compression lugs	42	Front
RSTI-6825	150	28.9- 42.0	Cu Compression lugs	42	Front
RSTI-6826	185	28.9- 42.0	Cu Compression lugs	42	Front
RSTI-6827	240	28.9- 42.0	Cu Compression lugs	42	Front
RSTI-6828	300	28.9- 42.0	Cu Compression lugs	42	Front
RSTI-6851	35-95	22.4- 35.5	Mechanical lugs and shear bolts	42	Front
RSTI-6852	95-150	22.4- 35.5	Mechanical lugs and shear bolts	42	Front
RSTI-6853	120-240	28.9- 42.0	Mechanical lugs and shear bolts	42	Front
RSTI-6855	185-300	28.9- 42.0	Mechanical lugs and shear bolts	42	Front
RSTI-CC-6811	50	22.4- 35.5	Al Compression lugs	42	Rear
RSTI-CC-6812	70	22.4- 35.5	Al Compression lugs	42	Rear
RSTI-CC-6813	95	22.4- 35.5	Al Compression lugs	42	Rear
RSTI-CC-6814	120	22.4- 35.5	Al Compression lugs	42	Rear
RSTI-CC-6815	150	28.9- 42.0	Al Compression lugs	42	Rear
RSTI-CC-6816	185	28.9- 42.0	Al Compression lugs	42	Rear
RSTI-CC-6817	240	28.9- 42.0	Al Compression lugs	42	Rear
RSTI-CC-6818	300	28.9- 42.0	Al Compression lugs	42	Rear
RSTI-CC-6821	50	22.4- 35.5	Cu Compression lugs	42	Rear
RSTI-CC-6822	70	22.4- 35.5	Cu Compression lugs	42	Rear
RSTI-CC-6823	95	22.4- 35.5	Cu Compression lugs	42	Rear
RSTI-CC-6824	120	22.4- 35.5	Cu Compression lugs	42	Rear
RSTI-CC-6825	150	28.9- 42.0	Cu Compression lugs	42	Rear
RSTI-CC-6826	185	28.9- 42.0	Cu Compression lugs	42	Rear
RSTI-CC-6827	240	28.9- 42.0	Cu Compression lugs	42	Rear
RSTI-CC-6828	300	28.9- 42.0	Cu Compression lugs	42	Rear
RSTI-CC-6851	35-95	22.4- 35.5	Mechanical lugs and shear bolts	42	Rear
RSTI-CC-6852	95-150	22.4- 35.5	Mechanical lugs and shear bolts	42	Rear
RSTI-CC-6853	120-240	28.9- 42.0	Mechanical lugs and shear bolts	42	Rear
RSTI-CC-6855	185-300	28.9- 42.0	Mechanical lugs and shear bolts	42	Rear