

Cable accessories and connectors

123 kV Dry flexible termination TFD 123

One piece integrated design

Application

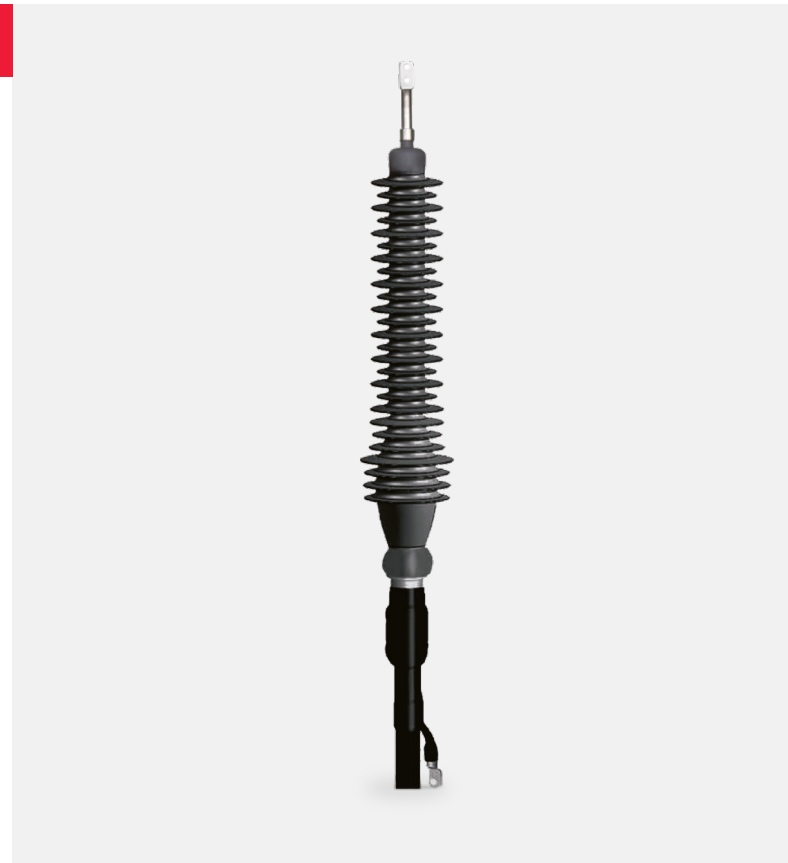
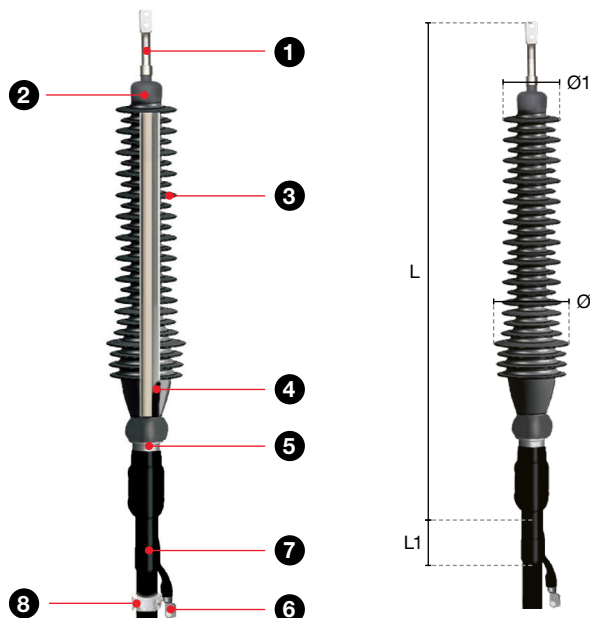
Flexible cable termination, suitable for 123 kV copper or aluminium conductor XLPE insulated metal sheath cable, installed in any angle.

Standards

Designed to meet the requirements of international accepted standards, EC 60840 and China standard GB/T11017.

Features

- 1 Top bolt: Crimping connector, available for copper or aluminium conductor cables
- 2 Sealing cover: High-quality silicon rubber, good water proof performance
- 3 / 4 Stress cone and insulation body: The raw material liquid silicone rubber (LSR), enables a more compact structure. Different sizes are designed to fit cables with different cross-section area, to ensure optimal interface pressure between stress cone and cables, as well as the excellent electrical and insulation performance good hydrophobicity and corrosion resistance, up to 126 kV IV level of pollution conditions



- 5 Creepage current collector
- 6 Earthing kit: Applied for cable metal screen ground
- 7 Cable sealing kit: Provides good sealing
- 8 Cable clamp (excluding in delivery): Fixed cable to the support

Size information:

Type	66 kV	Dimension 110 kV
TFD123		
Weight (kg)	20	30
Creepage distance (mm)	>2250	>4000
Height L / L1 (mm)	1600 / 300	1900 / 300
Diameter ϕ / $\phi 1$ (mm)	368 / 232	368 / 232
Angle of installation	Unrestricted	Unrestricted

Cable range applicable:

Cable type	66 kV	110 kV
XLPE ϕ (mm)	50 - 80	50 - 80
Conductor (mm ²)	240 - 1400	240 - 1200
Oversheath ϕ (mm)	max 120	max 120

Main electrical properties:

Standard IEC 60840, GB/T 11017	Type Test kV	Routine test kV*
Highest voltage for equipment U_m	126	126
Rated voltage U	110	110
Value of U for determination of test voltage	64	64
Heating cycle voltage test $2U_0$	128 / 20 cycles	/
Partial discharge test $<5 \text{ pC}$, $1.5 U_0$	96	96
Switching impulse voltage test	+/- 550	/
AC voltage test, $2.5 U_0$	160 (15 minutes)	160 (30 minutes)
Visual inspection	Performed	Performed

*All products pass routine test

Packaging information:

Type	Weight (kg)	Dimensions (mm ²)
TFD123	~65	~1400 x 330 x 330

Storage

When stored in original, unopened status at normal and dry conditions:

- The stress cone has a shelf life of five years from the date of manufacture
- Tape and grease have a shelf life of three years
- Metal parts have no shelf life limit

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