

Connector Branch up to 17,5 kV

CB 17,5 - 630

CB 17,5-630 is a screened cable connector made of silicone rubber for cable connection to switchgear (RMU) and transformers up to 17.5 kV with bushings type C (630 A) according to EN 50180, EN 50181. Type tests according to IEC 60502-4:2005-02 and Chinese Standard GB/T 12706.4 have been successfully passed.

- ✓ suitable for 12 and 17.5 kV XLPE cables
- ✓ quick and easy assembly
- ✓ fits to all switchgears
- ✓ compact design
- ✓ maintenance free
- ✓ fully screened by a bonded outer conductive layer of silicone
- ✓ integrated stress control system
- ✓ unique connector casing for 25 up to 500 mm²
- ✓ 4 sizes of stress cones for multirange cable connection
- ✓ use of various cable lug types:
 - mechanical (screw type)
 - hexagonal pressing
 - deep indent pressing
- ✓ cable sheath testing without dismantling of connector
- ✓ insulating plug with capacitive measuring point
- ✓ design with coupling capability/ double cable connection
- ✓ a lots of accessories available

- 1 screened connector casing (with a bonded outer conductive layer)
- 2 stress cone
- 3 conductive covering cap

Technical Data:

maximum system voltage	17.5 kV
continuous nominal current	up to 630 A
partial discharge at 2 U ₀	< 5pC
AC withstand voltage, 5 min.	39 kV / 42 kV
DC withstand voltage, 15 min.	52 kV
impulse withstand voltage	95 kV
diameter over core insulation	12.7 - 40.0 mm
cross section (multirange)	25 - 500 mm ²

Size of stress cone	Stretch range Ø over core insulation (mm)	Cross section 6 / 10 (12) kV	Cross section 8.7 / 15 (17.5) kV
5002	12.7 - 19.2	25 - 70	25 - 50
5003	17.0 - 24.3	95 - 150	70 - 95
5005	21.2 - 33.6	185 - 300	120 - 240
5027	28.9 - 40.0	400 - 500	300 - 500

