

# 72.5kV Slip-on Termination



## APPLICATION

### Technical advantages

- The product's high expansion ratio enhances the adaptability between the termination and the cable interface, and the material's memory property exerts a constant and lasting pressure on the main insulation of the cable; it effectively fills the gaps and uneven areas that may form at the interface between the cable accessory and the insulation, meeting the requirements for insulation and sealing.
- No special installation tools are required. The installation is safe, convenient, time and labor-saving, and the product is particularly suitable for explosion-proof scenarios such as petrochemical and coal mining industries.

### Advantages of CHARDON Outdoor Slip-on Terminations

CHARDON Outdoor Slip-on Terminations feature easy installation and reliable electrical performance. Manufactured from high-quality, UV-resistant silicone rubber, they deliver a high dielectric constant, outstanding insulation performance and excellent arc resistance. The products also boast superior hydrophobicity, which increases the surface resistance and raises the pollution flashover voltage. With excellent cold and heat resistance, the slip-on manufacturing process allows for unlimited storage time. All product designs comply with IEC 60840 and other relevant standards.

## VOLTAGE RATINGS: 72-SOTO-X

### Voltage ratings according to IEC 60840 standards :

<b>Voltage Rating</b>	38/66(72.5)kV
<b>AC Withstand (30min)</b>	95kV
<b>Partial Discharge</b>	72.5kV@<5.0pC
<b>BIL and Full Wave Crest (Impulse)</b>	325kV

## ORDERING INFORMATION

### Single Core

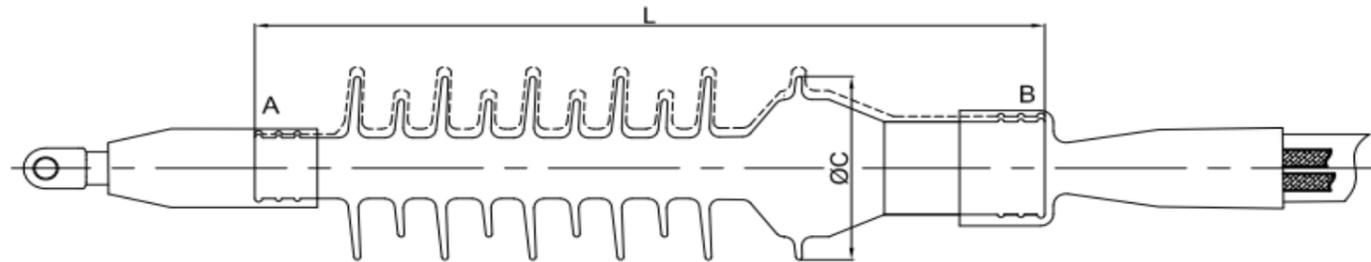


Single Core Kit Contents	Single Core
Termination body	✓
Cold Shrinkable Jacket Seal	✓
Heat-shrinkable Jacket Seal	✓
Lug	Optional
Mastic Tape	✓
Semi-conductive Tape PVC	✓
Tape	✓
Silicone Lubricant	✓
Paper Towel	✓
Copper Wire	✓
Constant-Force Spring	✓
Grounding Braid Lubricant	✓
Application Rod Sandpaper	✓
Belt	✓
Gloves	✓
Installation Instructions	✓
Packing List	✓

## ORDERING INFORMATION



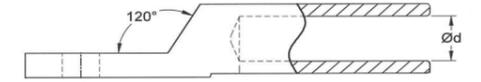
### Termination Selection:



### Single Core

Voltage Rating (kV)	Phase	Part No.	Creepage Distance A-B (mm)	Electrical Clearance L (mm)	Shades Qty	φC (mm)	Specification	Applicable Cable Cross-sectional Area (mm <sup>2</sup> )	Cable Insulation O.D.Range (mm)
38/66(72.5)	Single Phase	72-SOTO-A	1400	630	10	160	#A	70-120	36.5-41.9
		72-SOTO-B	1370	630	10	168	#B	120-240	41.9-45.3
		72-SOTO-C	1370	630	10	169	#C	240-400	45.3-50.3
		72-SOTO-D	1300	630	10	174	#D	400-630	49.5-56.9

## ORDERING INFORMATION



### Selection of Shear Bolt Lug

Part Number	Conductor Range (mm <sup>2</sup> )
SBC-A-25-95-12/1-AL	25-95
SBC-A-25-95-16/1-AL	25-95
SBC-A-35-150-12/1-AL	35-150
SBC-A-35-150-16/1-AL	35-150
SBC-A-35-150-12/2-AL	35-150
SBC-A-35-150-16/2-AL	35-150
SBC-A-70-240-12/2-AL	70-240
SBC-A-70-240-16/2-AL	70-240
SBC-A-120-300-12/2-AL	120-300
SBC-A-120-300-16/2-AL	120-300
SBC-A-185-400-12/3-AL	185-400
SBC-A-185-400-16/3-AL	185-400
SBC-A-300-630-12/3-AL	300-630
SBC-A-300-630-16/3-AL	300-630
SBC-A-300-630-20/3-AL	300-630

**Note:** The number "-12,-16,-20" indicate the hole sizes on the lug palm, which are compatible with M12, M16, M20 studs respectively.

### Selection of Compression Lug

Part Number	Lug Material	Conductor Range (mm <sup>2</sup> )	Inner Diameter Ød(mm)
DTM--16-8	Copper	16	6±0.5
DTM--25-8	Copper	25	7±0.5
DTM--35-10	Copper	35	8.5±0.5
DTM--50-10	Copper	50	9.6±0.5
DTM--70-12	Copper	70	12±0.5
DTM--95-12	Copper	95	13±0.5
DTM--120-14	Copper	120	15±0.5
DTM--150-14	Copper	150	16±0.5
DTM--185-16	Copper	185	18±0.5
DTM--240-16	Copper	240	20±0.5
DTM--300-20	Copper	300	23±0.5
DTM--400-20	Copper	400	26±0.5
DTM--500-20	Copper	500	29±0.5
DTM--630-20	Copper	630	34±0.5

**Note:** The suffixes "-8"-10" etc. indicate the hole sizes on the lug palm, which are compatible with M8, M10, etc. studs respectively.



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