

- 17-CSTO
- 24-CSTO
- 36-CSTO
- 42-CSTO

**IEC Standard
Outdoor Cold Shrink Termination
up to 42 kV**



APPLICATION

The Chardon Outdoor Cold Shrinkable Terminations deliver effortless installation and consistent, trustworthy performance when terminating medium voltage cables in challenging outdoor settings. These outdoor terminations are constructed from high-quality silicone rubber, with a UV-resistant characteristic that helps them withstand harsh outdoor environmental conditions, including UV radiation and varying weather patterns. Chardon Outdoor Cold Shrinkable Terminations include a stress-controlling compound housing, conveniently pre-assembled on a

plastic "hold-out" tube. Upon removal of the hold-out tube, the stress relief housing contracts onto the cable, securing a reliable and firm connection. The terminations are user-friendly and versatile, with no need for tools or heat sources during installation. Chardon Cold Shrink Terminations are built to endure for the entire life of the cable, designed to withstand voltages up to 42 kV, and tested in accordance to GB/T 12706.4 and IEC 60502.4 standards.

VOLTAGE RATINGS

Voltage ratings according to GB/T 12706.4 & IEC 60502.4 standards:

Ratings	17-CSTO	24-CSTO	36-CSTO	42-CSTO
Voltage Class	8.7/15(17.5)kV	12/20(24)kV	18/30(36)kV	26/35(40.5)kV
AC Withstand (5 minutes)	39kV	54 kV	81 kV	117 kV
DC Withstand (15 minutes)	35kV	48 kV	72 kV	104 kV
Partial discharge	15kV<10pC	20kV<10pC	30kV<10pC	45kV<10pC
BIL and Full Wave Crest (Impulse)	95kV	125 kV	170 kV	200 kV

ORDERING INFORMATION: KIT COMPONENTS

Single Core Kit



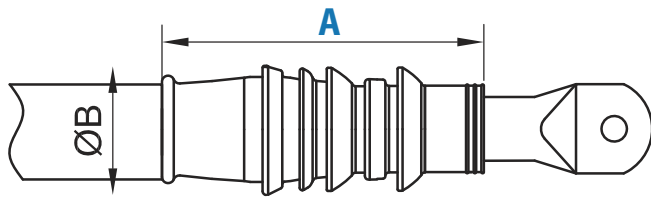
Three Core Kit



CSTO Kit Components	Single Core Kit	Three Core Kit
Termination Body	✓	✓
Cold Shrinkable Tube	X	✓
Cold Shrinkable Breakout	X	✓
Cold Shrinkable Jacket Seal	36/42-CSTO only	X
Sealing Tape	✓	✓
Filling Tape	X	✓
PVC Tape	✓	✓
Silicone Tape	✓	✓
Sandpaper	✓	✓
Paper Towel	✓	✓
Silicone Lubricant	✓	✓
Gloves	✓	✓
Triangle Cone	X	✓
Constant-Force Spring	✓	✓
Grounding Braid	✓	✓
Copper Tape	✓	✓
Cable Lug	Optional	Optional
Installation Instructions Sheet	✓	✓
Packing List	✓	✓

ORDERING INFORMATION: PART NUMBERS & DIMENSIONS

Termination Selection:



A: Maximum length of termination after installation.
B: Shade outer diameter

Part Number		Creepage Distance (mm)	Shades Qty	Dimension (A)(Max.) (mm)	Dimension (ØB)(mm)	Cable Insulation O.D.Range (mm)	Tail Length (mm)
Single Core Cable	Three Core Cable						
17-CSTO-A-GKT	T-17-CSTO-A	510	5	300/290	67	13.2-17.0	450max
17-CSTO-B-GKT	T-17-CSTO-B	510	5	300/290	71	16.8-27.0	450max
17-CSTO-C-GKT	T-17-CSTO-C	510	5	300/290	79	25.3-50.0	500max
24-CSTO-A-GKT	T-24-CSTO-A	672	6	380/370	81	15.2-22.4	450max
24-CSTO-B-GKT	T-24-CSTO-B	672	6	380/370	85	20.4-35.4	500max
24-CSTO-C-GKT	T-24-CSTO-C	672	6	380/370	100	34.0-60.0	500max
36-CSTO-A-GKT	T-36-CSTO-A	930	10	470/470	87	18.7-26.0	450max
36-CSTO-B-GKT	T-36-CSTO-B	930	10	470/470	94	24.9-41.1	500max
36-CSTO-C-GKT	T-36-CSTO-C	930	10	470/470	105	36.6-59.0	500max
42-CSTO-A-GKT	T-42-CSTO-A	930	10	470/470	87	18.7-26.0	450max
42-CSTO-B-GKT	T-42-CSTO-B	930	10	470/470	94	24.9-41.1	500max
42-CSTO-C-GKT	T-42-CSTO-C	930	10	470/470	105	36.6-59.0	500max

Important:

The Cold Shrink Terminations are suitable for use with metallic screen cables made of copper tape or copper wire, and armor cables made of steel tape or steel wire.

If your cable is different from the above types, please contact your local distributor or Chardon representative.

ORDERING INFORMATION: LUGS SELECTION

Selection of Shear Bolt Lug, if requested:

Part Number	Conductor Range (mm ²)
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

Selection of Compression Lug, if requested:

Part Number	Lug Material	Conductor Size (mm ²)
DTM-16-8	Copper	16
DTM-25-8	Copper	25
DTM-35-10	Copper	35
DTM-50-10	Copper	50
DTM-70-12	Copper	70
DTM-95-12	Copper	95
DTM-120-14	Copper	120
DTM-150-14	Copper	150
DTM-185-16	Copper	185
DTM-240-16	Copper	240
DTM-300-20	Copper	300
DTM-400-20	Copper	400
CTAL-16-8	Aluminum	16
CTAL-16-10	Aluminum	16
CTAL-25-8	Aluminum	25
CTAL-25-10	Aluminum	25
CTAL-35-8	Aluminum	35
CTAL-35-10	Aluminum	35
CTAL-50-10	Aluminum	50
CTAL-50-12	Aluminum	50
CTAL-70-10	Aluminum	70
CTAL-70-12	Aluminum	70
CTAL-95-8	Aluminum	95
CTAL-95-10	Aluminum	95
CTAL-95-12	Aluminum	95
CTAL-120-10	Aluminum	120
CTAL-120-12	Aluminum	120
CTAL-120-16	Aluminum	120
CTAL-185-12	Aluminum	185
CTAL-185-16	Aluminum	185
CTAL-240-12	Aluminum	240
CTAL-240-16	Aluminum	240
CTAL-300-12	Aluminum	300
CTAL-300-16	Aluminum	300
CTAL-400-16	Aluminum	400
CTAL-500-16	Aluminum	500

*NOTE:

- 1.The suffix numbers (8, 10, 12, 14, 16, 20) indicate the palm hole diameter, corresponding to stud sizes M8, M10, M12, M14, M16, and M20.
- 2.For a more accurate selection, please specify your cable size and type when placing an order.



ANHUI CHARDON ELECTRIC LTD.

No.808 Taiji Road Economic Develop Zone of Guangde County
Anhui China
Tel: 0563-2216688
Fax: 0563-2251806

CHARDON TAIWAN CORPORATION

No.37 Min-Chie Road, Tung Lo Industrial Park, Miao Li, Taiwan 366
Tel:+886-37-984385
Fax:+886-37-984770

SHANGHAI CHARDON ELECTRIC LTD.

Room 1202, office building No.399, Yun Gu Road, Jiading district,
Shanghai, China 201801
Tel: +86-21-39105900
Fax: +86-21-39105916

www.chardongroup.com·info@chardongroup.com