

**IEEE/ANSI Standard
Indoor Cold Shrink Termination
up to 35 kV**



APPLICATION

The Chardon Cold Shrinkable Termination is a high-quality and durable solution for terminating indoor medium voltage cables in a variety of applications. It is made of UV-resistant silicone rubber that has excellent electrical and mechanical properties. The termination consists of a stress-controlling compound housing that is preassembled on a plastic tube. The housing is designed to reduce the electrical stress at the cable end and to provide reliable performance in indoor environments. The installation process is simple and fast: just slide the termination over

the cable end and remove the plastic tube. The housing will shrink onto the cable and form a tight seal. No tools or heat sources are required for the installation, which makes it safe and convenient. The termination can handle voltages up to 35 kV and meets the IEEE standard 48 requirements. The Chardon Cold Shrinkable Termination is designed to last as long as the cable itself, without requiring any maintenance or replacement.

VOLTAGE RATINGS: 15-CSTI

Voltage Class	15 kV
Minimum Partial Discharge Voltage Level	13 kV < 5.0pC
AC Voltage 1 Min Dry Withstand	50 kV
AC Voltage 10s Wet Withstand	45 kV
Lightning Impulse (BIL) Voltage Withstand	110 kV
Cyclic Aging	26 kV / 30day
AC Voltage 5h Dry Withstand	31 kV
DC Voltages 15 Min Dry Withstand	75 kV

VOLTAGE RATINGS: 25-CSTI

Voltage Class	25 kV
Minimum Partial Discharge Voltage Level	22 kV < 5.0pC
AC Voltage 1 Min Dry Withstand	65 kV
AC Voltage 10s Wet Withstand	60 kV
Lightning Impulse (BIL) Voltage Withstand	150 kV
Cyclic Aging	43 kV / 30day
AC Voltage 5h Dry Withstand	50 kV
DC Voltages 15 Min Dry Withstand	105 kV

•Revision date: 03-26-2026

VOLTAGE RATINGS: 35-CSTI

Voltage Class	35 kV
Minimum Partial Discharge Voltage Level	30 kV < 5.0pC
AC Voltage 1 Min Dry Withstand	90 kV
AC Voltage 10s Wet Withstand	80 kV
Lightning Impulse (BIL) Voltage Withstand	200 kV
Cyclic Aging	61 kV / 30day
AC Voltage 5h Dry Withstand	71 kV
DC Voltages 15 Min Dry Withstand	140 kV

ORDERING INFORMATION



Single Core Cable Kit Contents:

- / Termination Body
- / Cold Shrinkable Jacket Seal
- / Sealing Tape
- / PVC Tape
- / Silicone Tape
- / Sandpaper
- / Paper Towel
- / Silicone Lubricant
- / Gloves
- / Grounding Kit (Optional)
- / Cable Lug (Optional)
- / Installation Instructions
- / Packing List

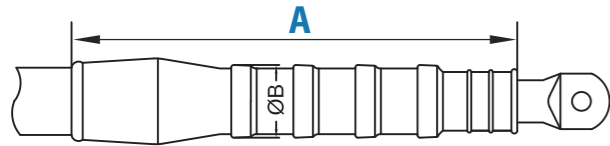


Three Core Cable Kit Contents:

- / Termination Body
- / Cable Shrinkable Jacket Seal
- / Cold Shrinkable Breakout
- / Sealing Tape
- / Filling Tape
- / PVC Tape
- / Silicone tape
- / Sandpaper
- / Paper Towel
- / Silicone Lubricant
- / Gloves
- / Triangle Cone
- / Constant-Force Spring
- / Grounding Braid
- / Copper Tape
- / Cable Lug (Optional)
- / Installation Instructions
- / Packing List

ORDERING INFORMATION

Termination Selection:



15/25/35kV

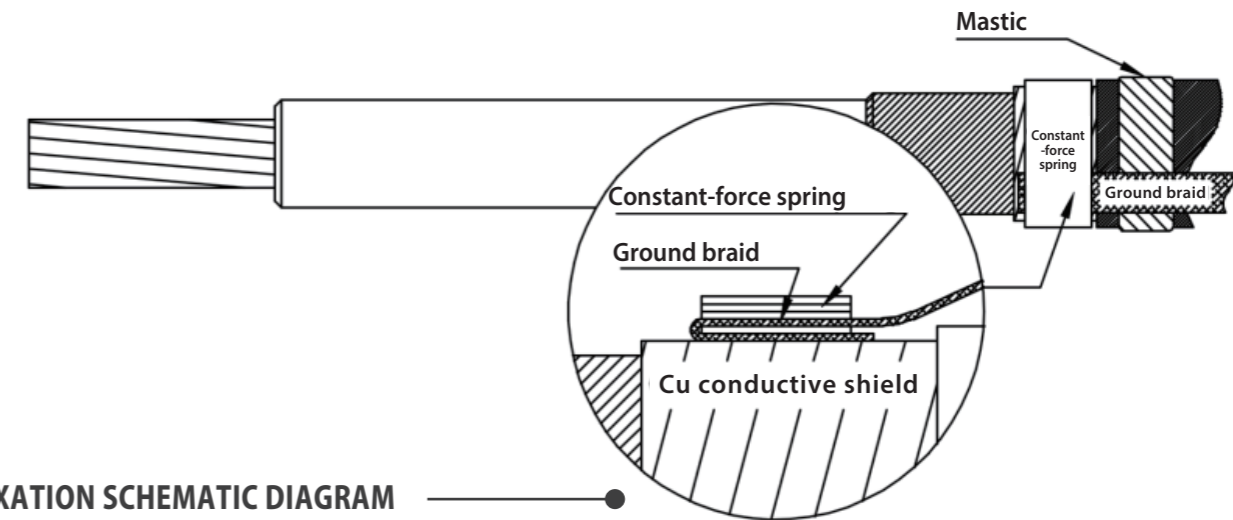
Unit: mm (milli meter)

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						
15-CSTI-A	T-15-CSTI-A	245	3	210/200	35	13.2-17.0	450max
15-CSTI-B	T-15-CSTI-B	245	3	210/200	39	16.8-27.0	450max
15-CSTI-C	T-15-CSTI-C	245	3	210/200	47	25.3-50.0	500max
25-CSTI-A	T-25-CSTI-A	460	4	340/330	48	15.2-22.4	450max
25-CSTI-B	T-25-CSTI-B	460	4	340/330	54	20.4-35.4	500max
25-CSTI-C	T-25-CSTI-C	460	4	340/330	67	34.0-60.0	500max
35-CSTI-A	T-35-CSTI-A	705	6	425/415	80	18.7-26.0	450max
35-CSTI-B	T-35-CSTI-B	705	6	425/415	86	24.9-41.1	500max
35-CSTI-C	T-35-CSTI-C	705	6	425/415	98	36.6-59.0	500max

ORDERING INFORMATION

*Each single core termination part can be assembled with one grounding kit if needed. To order a grounding kit, add "GKT" in the end of the Chardon CSTI part number.

Example: 25 - CSTI-A-GKT



FIXATION SCHEMATIC DIAGRAM

Each kit Contains:

- / Ground Braid
- / Constant Force Spring
- / Copper Tape

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.

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)
CTCC-16-8	Copper	16mm ²
CTCC-25-8	Copper	25mm ²
CTCC-35-10	Copper	35mm ²
CTCC-50-10	Copper	50mm ²
CTCC-70-12	Copper	70mm ²
CTCC-95-12	Copper	95mm ²
CTCC-120-14	Copper	120mm ²
CTCC-150-14	Copper	150mm ²
CTCC-185-16	Copper	185mm ²
CTCC-240-16	Copper	240mm ²
CTCC-300-20	Copper	300mm ²
CTCC-400-20	Copper	400mm ²
CTAL-16-8	Aluminum	16mm ²
CTAL-16-10	Aluminum	16mm ²
CTAL-25-8	Aluminum	25mm ²
CTAL-25-10	Aluminum	25mm ²
CTAL-35-8	Aluminum	35mm ²
CTAL-35-10	Aluminum	35mm ²
CTAL-50-10	Aluminum	50mm ²
CTAL-50-12	Aluminum	50mm ²
CTAL-70-10	Aluminum	70mm ²
CTAL-70-12	Aluminum	70mm ²
CTAL-95-8	Aluminum	95mm ²
CTAL-95-10	Aluminum	95mm ²
CTAL-95-12	Aluminum	95mm ²
CTAL-120-10	Aluminum	120mm ²
CTAL-120-12	Aluminum	120mm ²
CTAL-120-16	Aluminum	120mm ²
CTAL-150-10	Aluminum	150mm ²
CTAL-150-12	Aluminum	150mm ²
CTAL-150-16	Aluminum	150mm ²
CTAL-185-12	Aluminum	185mm ²
CTAL-240-10	Aluminum	185mm ²
CTAL-240-12	Aluminum	240mm ²
CTAL-240-16	Aluminum	240mm ²
CTAL-300-12	Aluminum	300mm ²
CTAL-300-16	Aluminum	300mm ²
CTAL-400-16	Aluminum	400mm ²
CTAL-500-16	Aluminum	500mm ²

***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