

**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: 09-18-2023

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

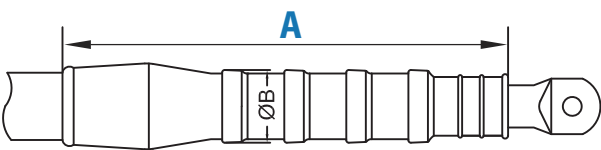


Three Core Cable Kit Contents:

- / 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:



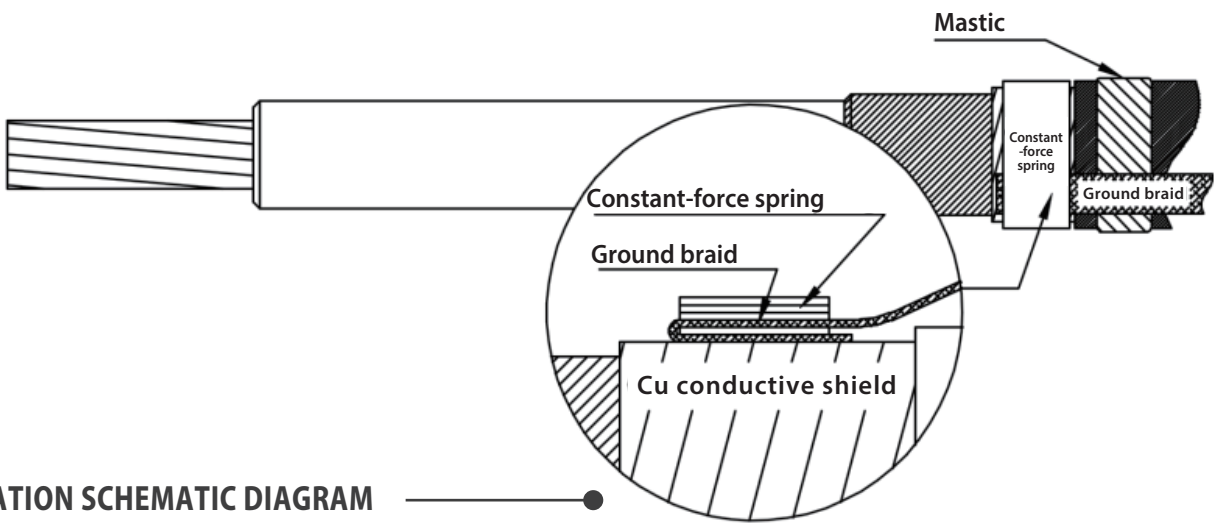
15/25/35kV						
Part Number		Creepage Distance (mm)	Shades Qty	Dimension (A)(Max.) (mm)	Dimension (ØB) (mm)	Cable Insulation O.D.Range (mm)
*Single Core Cable	Three Core Cable					
15-CSTI-A	T-15-CSTI-A	294	4	250	32	15.0-21.0
15-CSTI-B	T-15-CSTI-B	294	4	250	34	19.0-25.0
15-CSTI-C	T-15-CSTI-C	294	4	250	36	23.0-31.0
15-CSTI-D	T-15-CSTI-D	294	4	250	40	29.0-37.0
15-CSTI-E	T-15-CSTI-E	294	4	250	42	37.0-46.0
25-CSTI-A	T-25-CSTI-A	355	4	300	36	19.0-24.0
25-CSTI-B	T-25-CSTI-B	355	4	300	38	24.0-28.0
25-CSTI-C	T-25-CSTI-C	355	4	300	42	28.0-34.0
25-CSTI-D	T-25-CSTI-D	355	4	300	46	35.0-43.0
35-CSTI-A	T-35-CSTI-A	580	6	380	72	31.0-36.0
35-CSTI-B	T-35-CSTI-B	580	6	380	75	35.0-41.0
35-CSTI-C	T-35-CSTI-C	580	6	380	78	39.0-48.0
35-CSTI-D	T-35-CSTI-D	580	7	380	84	48.0-57.0

Unit: mm (milli meter)

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.

ORDERING INFORMATION

Selection of Shear Bolt Connector, if requested:

Part Number	Conductor Range(mm²)
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

ORDERING INFORMATION

Selection of Compression Lug, if requested*:

Part Number	Lug Material	Conductor Size(mm²)
CC-16-8	Copper	16mm²
CC-25-8	Copper	25mm²
CC-35-10	Copper	35mm²
CC-50-10	Copper	50mm²
CC-70-12	Copper	70mm²
CC-95-12	Copper	95mm²
CC-120-14	Copper	120mm²
CC-150-14	Copper	150mm²
CC-185-16	Copper	185mm²
CC-240-16	Copper	240mm²
CC-300-20	Copper	300mm²
CC-400-20	Copper	400mm²
AL-16-8	Aluminum	16mm²
AL-16-10	Aluminum	16mm²
AL-25-8	Aluminum	25mm²
AL-25-10	Aluminum	25mm²
AL-35-8	Aluminum	35mm²
AL-35-10	Aluminum	35mm²
AL-50-10	Aluminum	50mm²
AL-50-12	Aluminum	50mm²
AL-70-10	Aluminum	70mm²
AL-70-12	Aluminum	70mm²
AL-95-8	Aluminum	95mm²
AL-95-10	Aluminum	95mm²
AL-95-12	Aluminum	95mm²
AL-120-10	Aluminum	120mm²
AL-120-12	Aluminum	120mm²
AL-120-16	Aluminum	120mm²
AL-150-10	Aluminum	150mm²
AL-150-12	Aluminum	150mm²
AL-150-16	Aluminum	150mm²
AL-185-12	Aluminum	185mm²
AL-185-16	Aluminum	185mm²
AL-240-12	Aluminum	240mm²
AL-240-16	Aluminum	240mm²
AL-300-12	Aluminum	300mm²
AL-300-16	Aluminum	300mm²
AL-400-16	Aluminum	400mm²
AL-500-16	Aluminum	500mm²

*NOTE: For a more accurate size selection, please specify your cable size and type when placing an order.



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