

Chardon 15kV, 25kV and 35kV Class Cold Shrinkable Termination MK1

Application

The Chardon Cold Shrinkable Termination offers easy installation and reliable performance when terminating indoor and outdoor medium voltage cables. Made from high quality, UV resistant, silicone rubber, the Chardon cold shrinkable termination offers a combination of durability and high performance in the field.

The Chardon Cold Shrinkable Terminations include a stress controlling compound housing, preassembled on a plastic "hold out" tube. As the plastic hold out is removed, the stress relief housing shrinks onto the cable.

Chardon terminations are easy to install, and have a wide application range. No tools, or heat sources are required. The products are designed to last the entire life of the cable.

The terminations are designed to withstand voltages up to 35 kV.

The Chardon Cold Shrinkable terminations are tested according to IEEE Standard 48.

Voltage Ratings: 15-CSTO-MK1 series

- Insulation class - 15kV
- Minimum partial discharge voltage level - 13kV@<5.0 pC
- AC voltage 1 min dry withstand - 50kV
- AC voltage 10s wet withstand - 45kV
- Lightning impulse (BIL) voltage withstand -110kV
- Cyclic aging - 26kV/30day
- AC voltage 5h dry withstand -31kV
- DC voltages 15 min dry withstand – 75kV

Voltage Ratings: 25-CSTO-MK1 series

- Insulation class - 25kV
- Minimum partial discharge voltage level - 22kV@<5.0 pC
- AC voltage 1 min dry withstand - 65kV
- AC voltage 10s wet withstand - 60kV
- Lightning impulse (BIL) voltage withstand -150kV
- Cyclic aging - 43kV/30day
- AC voltage 5h dry withstand - 50kV
- DC voltages 15 min dry withstand - 105kV

Voltage Ratings: 35-CSTO-MK1 series

- Insulation class - 35kV
- Minimum partial discharge voltage level - 30kV@<5.0 pC
- AC voltage 1 min dry withstand - 90kV
- AC voltage 10s wet withstand - 80kV
- Lightning impulse (BIL) voltage withstand -200kV
- Cyclic aging - 61kV/30day
- AC voltage 5h dry withstand -71kV
- DC voltages 15 min dry withstand – 140kV

Ordering Information for 15/25/35 CSTO-MK1 Product

Each Kit Contains

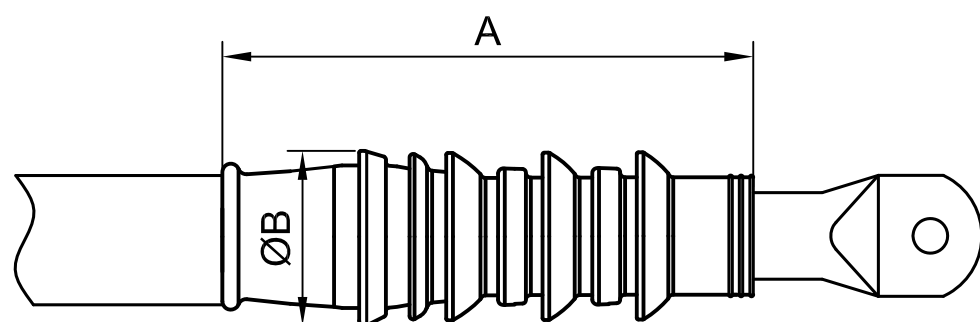
- Silicone Rubber Termination
- Lubricant
- Strips Silicone Rubber Tape
- Strips Sealing Mastic
- Installation Instructions
- Cold Shrinkable Tubes(35-CSTO only)

3 Core Cable Kit Content:

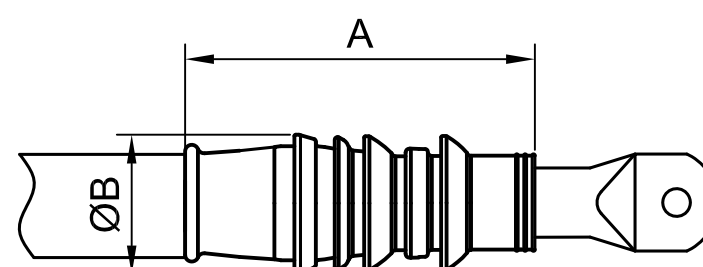
- Terminations Bodies
- Sealant Tape
- Grounding Kit
- Breakout
- Core Protection Sleeves
- Silicone Lubricant
- Installation Instruction



35 - CSTO-MK1



15 - CSTO-MK1 & 25 - CSTO-MK1



Unit: mm (millimeter)

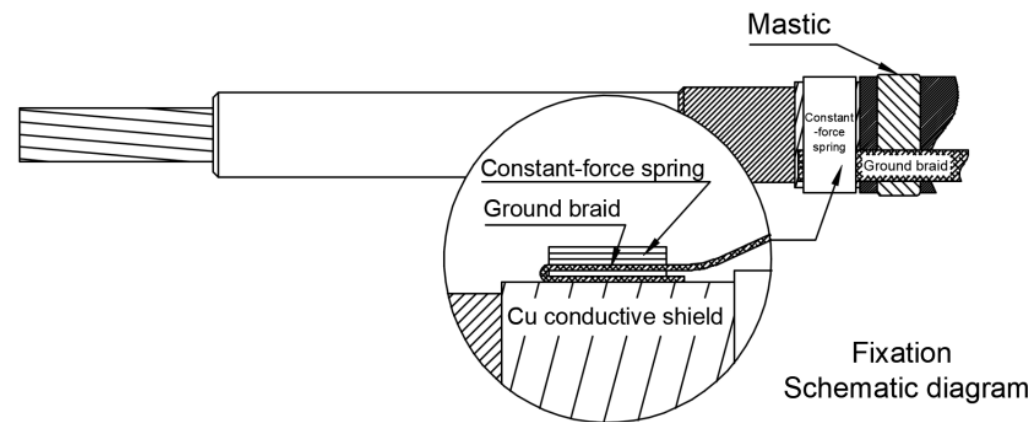
15/25/35kV

Part Number	Part Number Three Core cable	Creepage Distance (mm)	Shades Qty	Dimension (A)(Max.)	Dimension (ΦB)	Cable Insulation O.D. Range (mm)	Cable Entry Range(mm)
15-CSTO-MK1-A	T-15-CSTO-MK1-A-TFK	485	5	270	53	15.5-20.5	44.5-63.8
15-CSTO-MK1-B	T-15-CSTO-MK1-B-TFK	485	5	270	56.5	18.6-24.0	49.0-78.1
15-CSTO-MK1-C	T-15-CSTO-MK1-C-TFK	485	5	270	62.5	23.5-30.0	55.0-88.0
15-CSTO-MK1-D	T-15-CSTO-MK1-D-TFK	485	5	270	68.5	27.0-36.0	61.0-97.2
15-CSTO-MK1-E	T-15-CSTO-MK1-E-TFK	485	5	270	75.5	34.8-43.0	69.4-121.4
25-CSTO-MK1-A	T-25-CSTO-MK1-A-TFK	485	5	270	66	19.2-27.0	54.5-88.4
25-CSTO-MK1-B	T-25-CSTO-MK1-B-TFK	485	5	270	68	23.7-29.0	61.0-98.4
25-CSTO-MK1-C	T-25-CSTO-MK1-C-TFK	485	5	270	75	26.5-36.0	63.0-107.8
35-CSTO-MK1-A	T-35-CSTO-MK1-A-TFK	830	7	415	103	25.0-32.8	65.0-106.0
35-CSTO-MK1-B	T-35-CSTO-MK1-B-TFK	830	7	415	108	31.0-37.5	67.5-108.4
35-CSTO-MK1-C	T-35-CSTO-MK1-C-TFK	830	7	415	113	35.0-42.5	68.0-113.6
35-CSTO-MK1-D	T-35-CSTO-MK1-D-TFK	830	7	415	120	40.5-49.6	76.5-125.9

Ordering Information for Grounding Kit

Each termination part can be assembled with one grounding kit if needed, to order a grounding kit, add "GKT" in end of the Chardon CSTO-MK1 part number.

Example: 25 -CSTO-MK1-A-GKT-A



Grounding Kit Content:

- Preformed Ground Strap
- Constant Force Spring
- Copper Tape

To order a grounding kit only, use the following Chardon part number:

Chardon Ground Kit P/N	Applicable Chardon CSTO P/N
GKT-A	15-CSTO-MK1-A 、 15-CSTO-MK1-B 、 25-CSTO-MK1-A
GKT-B	15-CSTO-MK1-C 、 15-CSTO-MK1-D 、 25-CSTO-MK1-B
GKT-C	25-CSTO-MK1-C 、 35-CSTO-MK1-A
GKT-D	15-CSTO-MK1-E 、 35-CSTO-MK1-B 、 35-CSTO-MK1-C
GKT-E	35-CSTO-MK1-D



Chardon Taiwan Corporation

No. 37 Min-Chie Road
 Tung Lo Industrial Park
 Miao Li, Taiwan 366
 Phone: 886-3-798-4385
 Fax: 886-3-798-4770

www.chardongroup.com · info@chardongroup.com