

Chardon 15kV, 25kV and 35kV Class Cold Shrinkable Straight Joint



APPLICATION

The Chardon Cold Shrinkable Straight Joint offers easy installation and reliable performance when jointing medium voltage cables. Made from high-quality, UV-resistant silicone rubber, the Chardon Cold Shrinkable Straight Joint provides a combination of durability and high performance in the field.

The Chardon Cold Shrinkable Straight Joint includes a stress-controlling compound housing, preassembled on a plastic "holdout" tube. As the plastic

holdout tube is removed, the stress relief housing shrinks onto the cable. The straight joints are designed to withstand voltages of up to 35 kV and are tested in accordance with the IEEE Standard 404.

VOLTAGE RATINGS: 15-CSCJ

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-CSCJ

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: 06-27-2025

VOLTAGE RATINGS: 35-CSCJ

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

KIT CONTENTS

Each Standard Kit Contains:

- / Cold Shrinkable Straight Joint
- / Splicing Connector
- / Constant-Force Spring
- / Grounding Braid
- / Copper Shielding Mesh
- / Armour Tape
- / Semi-Conductive Tape
- / Waterproof & Sealing Tape
- / PVC Tape
- / Paper Towel
- / Silicone Lubricant
- / Sandpaper belt
- / Gloves
- / Installation Instructions
- / Packing List

Single Core Kit



Three-Core Kit



ORDERING INFORMATION

Unit: mm (millimeter)

Part Number		Cable Insulation O.D.Range (mm)
Single Core Cable	Three Core Cable	
15-CSCJ-A	T-15-CSCJ-A	16.0-20.0
15-CSCJ-B	T-15-CSCJ-B	19.5-24.5
15-CSCJ-C	T-15-CSCJ-C	24.0-30.5
15-CSCJ-D	T-15-CSCJ-D	30.0-36.0
15-CSCJ-E	T-15-CSCJ-E	35.5-42.0
25-CSCJ-A	T-25-CSCJ-A	16.0-20.0
25-CSCJ-B	T-25-CSCJ-B	19.5-24.5
25-CSCJ-C	T-25-CSCJ-C	24.0-30.5
25-CSCJ-D	T-25-CSCJ-D	30.0-36.0
25-CSCJ-E	T-25-CSCJ-E	35.5-42.0
35-CSCJ-A	T-35-CSCJ-A	30.0-35.5
35-CSCJ-B	T-35-CSCJ-B	35.0-41.0
35-CSCJ-C	T-35-CSCJ-C	40.5-48.5
35-CSCJ-D	T-35-CSCJ-D	48.0-58.0

Ordering Instructions:

- If ordering a 15 kV Cold Shrink Joint for a cable with insulation outer diameter of 24 mm and a cross-sectional area of 50 sqmm, with a shear bolt lug selection, the order part number would be 15-CSCJ-B-SBSC-25-95/2/C.

Important:

- The Cold Shrink Joints are suitable for use with metallic screen cables made of copper or copper wire, and armor cables made of steel tape or steel wire. If your cable is different from the above mentioned types, please contact your local distributor or Chardon representative.
- Please note that Chardon Cold Shrink Joints are exclusively compatible with Chardon connectors and are not suitable for use with connectors from other brands.

Selection of Shear Bolt Lug, if requested:

Part Number	Conductor Range (mm) ²
SBSC-25-95/2	25-95
SBSC-70-150/2	70-150
SBSC-120-240/4	120-240
SBSC-185-300/4	185-300
SBSC-240-400/6	240-400
SBSC-400-630/6	400-630

ORDERING INFORMATION

Selection of Splicing Connector, if requested:

Part Number	Connector Material	Conductor Size (mm ²)
CJCC-25	Copper	25
CJCC-35	Copper	35
CJCC-50	Copper	50
CJCC-70	Copper	70
CJCC-95	Copper	95
CJCC-120	Copper	120
CJCC-150	Copper	150
CJCC-185	Copper	185
CJCC-240	Copper	240
CJCC-300	Copper	300
CJCC-400	Copper	400
CJCC-500	Copper	500
CJCC-630	Copper	630



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