## Triaxial Connector Instruction Manual

(CCM5-PF/PFR, CCF5-JF/JFR)

Thank you for purchasing a CANARE Product.

#### ⚠ Note

Before using this connector, please be sure to read this instruction manual for the correct use. When connecting a cable, follow the instructions of this manual. Please keep this manual for future reference.

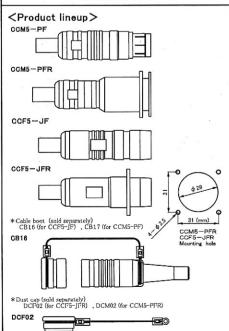
#### A Warning

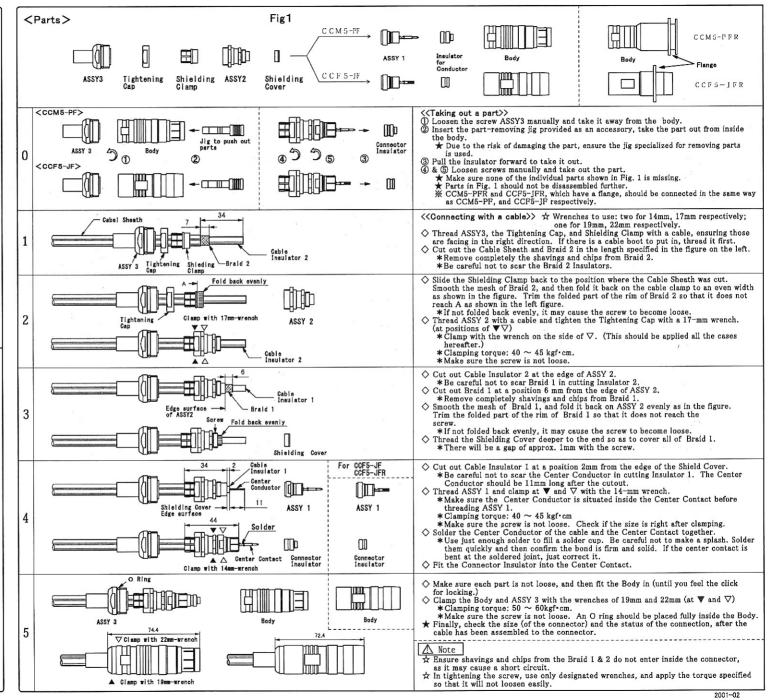
- ·Please follow this instruction manual exactly when attaching a cable.
- ·Please do not damage, forcefully bend, twist or
- strike the cable. ·Anyone except for electricians/electric engineers
- are strictly prohibited from disassembling, repairing, or modifying this connector.

### <Specification>

- · Applicable Cable
- GCM5-PF / CCM5-PFR CCF5-JF / CCF5-JFR 4.8 / 1.0EFTXF(Fujikura), L-5CFTX(CANARE) ·Withstand Voltage AC 1000V,1 minute(between
- ·Insulation Resistance
- respective conductors; with a cable connected) DC500V, 5000M Ω or above · Characteristic Impedance 75 Q
- CANARE ELECTRIC CO. LTD. (Japan) +81-3-5821-5485 CANARE CORPORATION OF AMERICA http://www.canare.com

#### EANARE





# Triaxial Connector Instruction Manual

(CCM7-PFC/PFRC, CCF7-JFC/JFRC)

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## 

Please follow this instruction manual exactly when terminating a cable.

Please do not damage, forcefully bend or twist the cable.

Anyone except electricians /electrical engineers are strictly prohibited from disassembling, repairing, or modifying this connector. Please be sure locking device is in place when connectors are mated.

Appropriate protection should be taken if used outside.

•Model •Applicable Cable CCM7-PFC / CCM7-PFRC / CCF7-JFC /CCF7-JFRC

CANARE: L-7CFTX-SC

BELDEN: 7764A , KLOTZ: TRIAX11

BEDEA.D :TRIAX11 SUPERFLEX

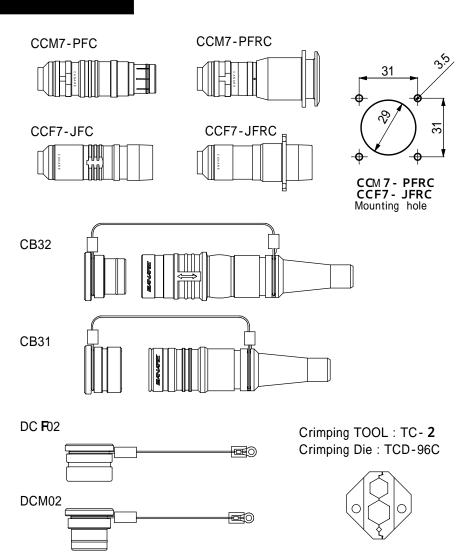
Insulation Resistance

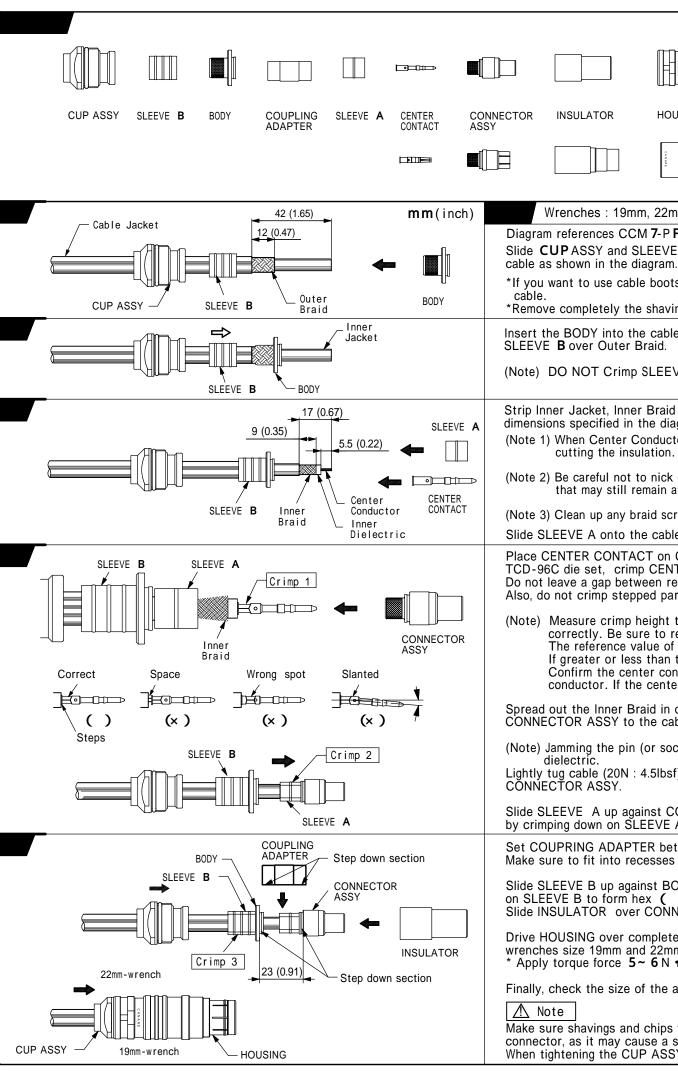
5000M or above at 500VDC

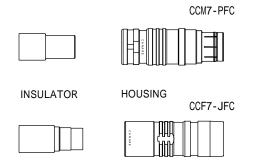
Characteristic Impedance 75

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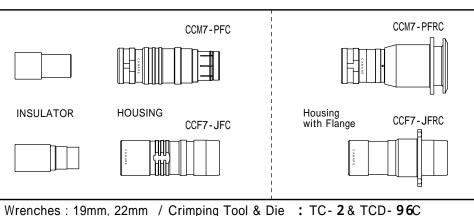


Diagram references CCM 7-P FC but instructions & dimensions can be used for all models. Slide CUPASSY and SLEEVE B over the cable; remove Cable Jacket and Outer Braid of

\*If you want to use cable boots CB31 or CB32, first you need to insert the boot onto the

\*Remove completely the shavings and chips from Outer Braid.

Insert the BODY into the cable as shown in the the diagram (under the OuterBraid), and slide SLEEVE B over Outer Braid.

(Note) DO NOT Crimp SLEEVE B yet. Cut excess braid to fit the BODY accordingly.

Strip Inner Jacket, Inner Braid and Inner Dielectric, expose Center Conductor to the dimensions specified in the diagram.

(Note 1) When Center Conductor is stranded, twist the strands in the same direction after cutting the insulation.

(Note 2) Be careful not to nick or damage Center Conductor. Clean up any insulator scraps that may still remain attached to the Center Conductor.

(Note 3) Clean up any braid scraps that may still remain attached to the Inner dielectric. Slide SLEEVE A onto the cable.

Place CENTER CONTACT on Center Conductor. Using the TC-2 hand tool and TCD-96C die set, crimp CENTER CONTACT as shown in the diagram ( Crimp 1). Do not leave a gap between rear of the pin (or socket) and cable Inner dielectric end. Also, do not crimp stepped part in the base of Center Contact as shown in the diagram.

(Note) Measure crimp height to determine whether the CENTER CONTACT was crimped correctly. Be sure to remove splinters and remnants before measuring. The reference value of the crimp height should be 1.97-2.07mm(0.078-0.081 in). If greater or less than the reference value, adjust TC-2 hand tool. Confirm the center contact pin is crimped straight to the center conductor. If the center contact pin is slanted, align it gently.

Spread out the Inner Braid in order to insert the connector body smoothly. Insert the CONNECTOR ASSY to the cable until "snap" locked.

(Note) Jamming the pin (or socket) may bend center conductor and damage Connector dielectric.

Lightly tug cable (20N: 4.5lbsf) to verify that pin (or socket) is properly seated in the CŎNŃECŤOR ASSY.

Slide SLEEVE A up against CONNECTOR ASSY and place into the die. Complete assembly by crimping down on SLEEVE A to form hex ( Crimp 2)

Set COUPRING ADAPTER between BODY and CONNECTOR ASSY, snap in place. Make sure to fit into recesses of BODY and CONNECTOR ASSY.

Slide SLEEVE B up against BODY and place in the die. Complete assembly by crimping down on SLEEVE B to form hex ( Crimp 3)
Slide INSULATOR over CONNECTOR ASSY and COUPRING ADAPTER see diaram.

Drive HOUSING over completed assembly and tighten CUP ASSY and HOUSING using open wrenches size 19mm and 22mm at and

\* Apply torque force 5~ 6 N m (44-52lb in).

Finally, check the size of the assembled connector and status of the connection.



Make sure shavings and chips from inside and outside braids do not enter inside the connector, as it may cause a short circuit. When tightening the CUP ASSY, use only designated wrenches, and apply the torque specified.