MNX10005 / REV E

P R O D U C T   M A N U A L

BNC Field Installable Connectors

CF-F

CF-FX

CF-E

CF-EX

BNC Connector Kits

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C O N T E N T S

SECTION 1: OVERVIEW

Introduction

This document contains information on the operation, assembly, and maintenance of the CF-F, CF-FX and CF-E, CF-EX connector kits. This manual is an overview of the system and references the specific component manuals. User manuals are provided with the system for all configurable internal components.

Product Selection Guide:
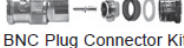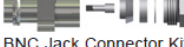
Part #	Installed Connector Side View	Connector Kit Parts	Connector Kit Parts #	Diameter	Max Temp.	Compatible Cables
CF-FX Supplied with epoxy and syringe (MH109-3A)		BNC Plug Connector Kit	CF-FX	.250" (6,4 mm)	250°F (121°C)	CB102, CB103 CB110, CB111
CF-EX Supplied with epoxy and syringe (MH109-3A)		BNC Jack Connector Kit	CF-EX	.250" (6,4 mm)	250°F (121°C)	CB102, CB103 CB110, CB111
CF-F		BNC Plug Connector Kit	CF-F	.250" (6,4 mm)	250°F (121°C)	CB102, CB103 CB110, CB111
CF-E		BNC Jack Connector Kit	CF-E	.250" (6,4 mm)	250°F (121°C)	CB102, CB103 CB110, CB111

Figure 1 - Product Selection Guide for Field Installable BNC Connectors

SECTION 2: ASSEMBLY

Description

Field installable BNC connector kits for both BNC Plug (F style) and BNC Jack (E style) connectors.

Models CF-F & CF-E

Figure 2 - CF-F & CF-E kits are recommended to only be used with 0.25 in diameter cable. Smaller cable diameters and/or foil or braided shields will not hold the cable firmly.
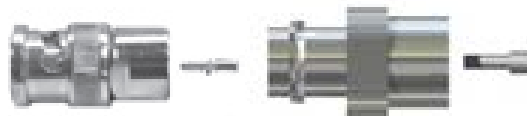
Models CF-FX & CF-EX

Figure 3 - CF-FX & CF-EX can be safely used with all diameters of cable and are supplied with the BNC body, positive (+) center pin connector and epoxy with application syringe.
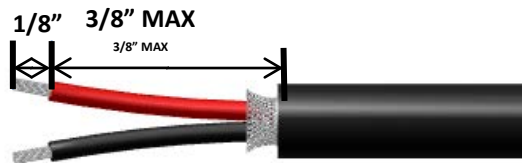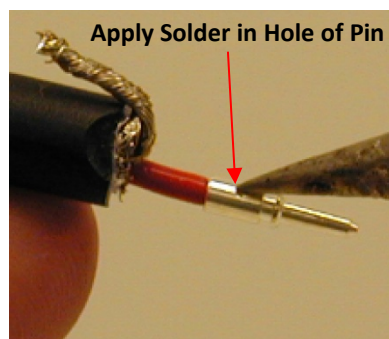
SECTION 2: ASSEMBLY

Assembly

Models CF-F & CF-E and CF-FX & CF-EX:

1. Strip red and black conductor wires. (Applies to all kits)

1/8"   3/8" MAX
3/8" MAX

2. Solder the red conductor to the pin. (Applies to all kits)


Apply Solder in Hole of Pin

3. Bend the black wire back with the shield, and twist together.(Applies to all kits)

4. Insert cable parts into the main body with the Red conductor and pin placed in the center hole of the BNC body. Then screw the hex nut until it has tightened to sufficiently capture the Black wire and shield drain wire to the BNC body. (Applies to the CF-F and CF-E Kits).
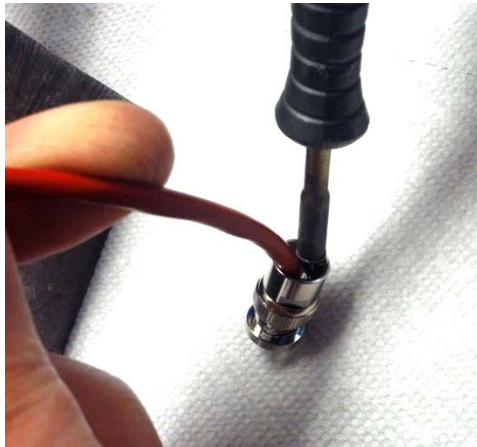
5. Insert cable parts into the main body with the Red conductor and pin placed in the center hole of the BNC body. (Applies to CF-FX and CF-EX Kits)
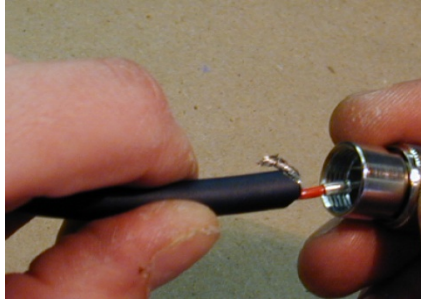
6. Solder the Black wire and shield drain wire inside the body of the BNC connector (Applies to CF-FX and CF-EX Kits)

7. Epoxy fill, and let dry for 24 hrs. If faster cure time is needed add heat, approximately 60°C (140° F) for 2 hrs.

S E C T I O N   2 :   A S S E M B L Y

Maintenance

Once the (product) has been installed, minimal maintenance will be required. Basic visual checks to ensure integrity should be made periodically.

General

There are no customer replaceable parts. The (product) has been designed for trouble – free service under normal operating conditions.

Assistance

Note: For specific problem resolution, please call an Applications Engineer at 1-800-999-5290.

Warranty

If any CTC vibration analysis hardware product should ever fail, we will repair or replace it at no charge.