

MCPK-8 Series Assembly/Wiring Instructions

Following are instructions for assembling Samtec's MCPK Series AccliMate™ IP67 Sealed Circular Cable Assembly using our Field Termination Kit. Refer to the following pages for specific instructions:

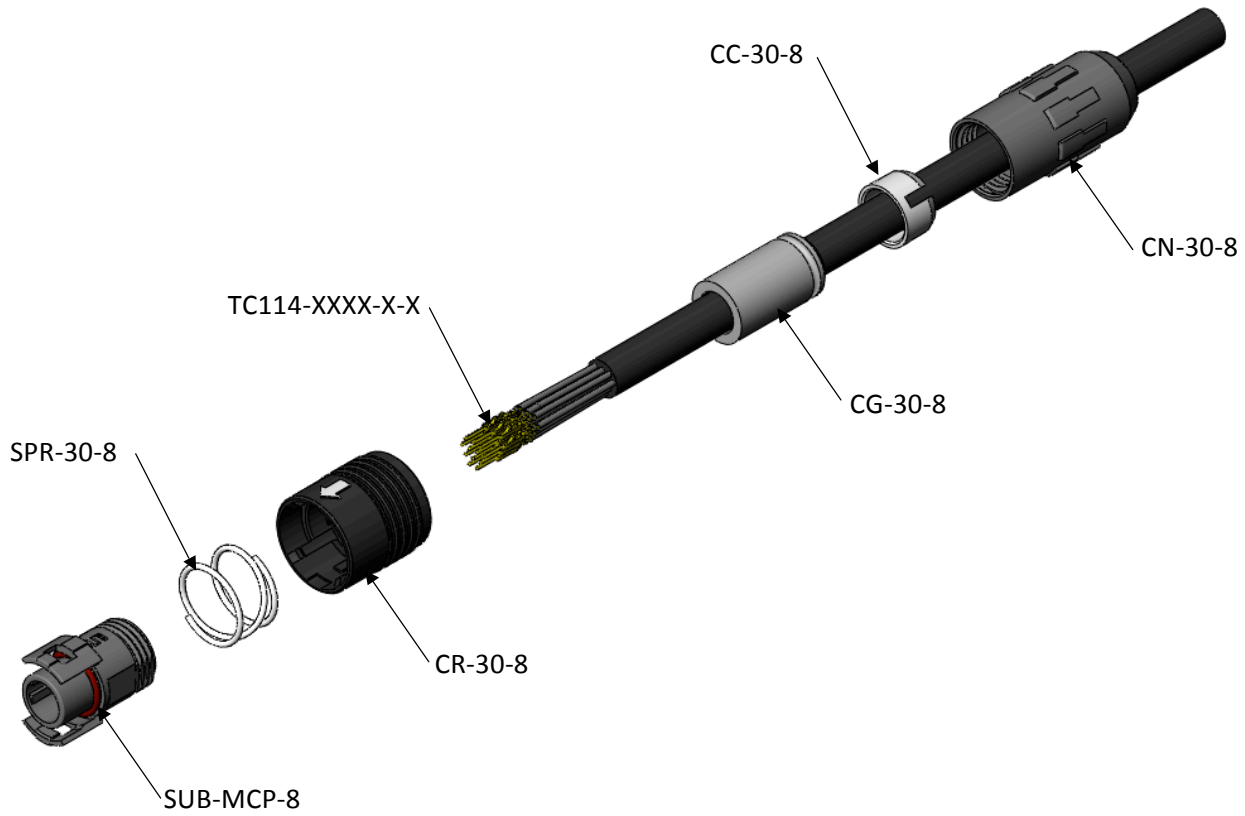
MCPK-8-T see page #2



MCPK-8-S see page # 8



Following are instructions for assembling Samtec's MCPK-8-T Series AccliMate™ IP67 Sealed Cable Assembly.



CABLE/WIRES PREP

1. Strip the cable/wires according to FIG 1.

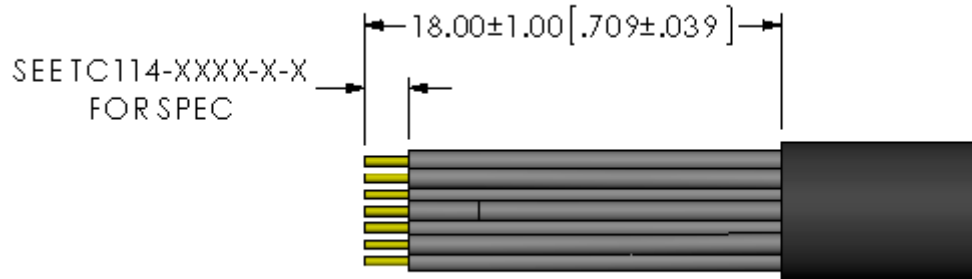


FIG 1

CRIMP WIRES

2. Crimp TC114-XXXX-X-X terminals onto stripped wires according to [TC114-XXXX-X-X specification](#).

ADD COMPONENTS TO CABLE

3. Samtec recommends applying Loctite 7649 primer to the internal threads of CN-30-8. Slide CR-30-8, SPR-30-8, CG-30-8, CC-30-8, and CN-30-8 components on the cable as shown in FIG 2.

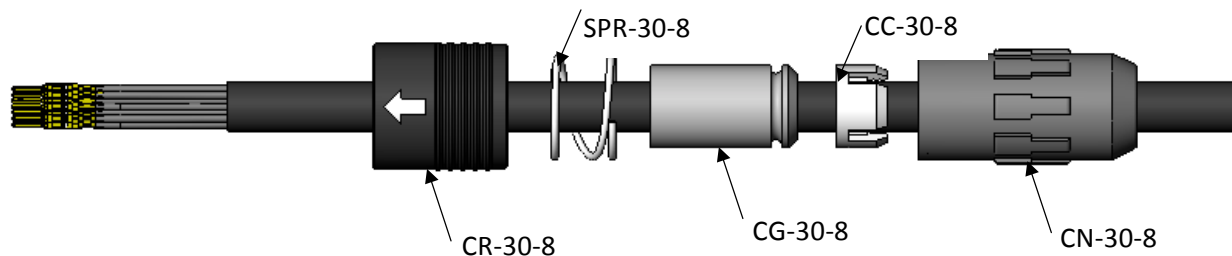


FIG 2

INSTALL HOLDER BODY

4. Poke crimped wire with TC114-XXXX-X-X terminals into SUB-MCP-8 until their retention features lock into place. As a reference, the Samtec logo "S" will be in the up position and the retention lance on the terminal will also be up.

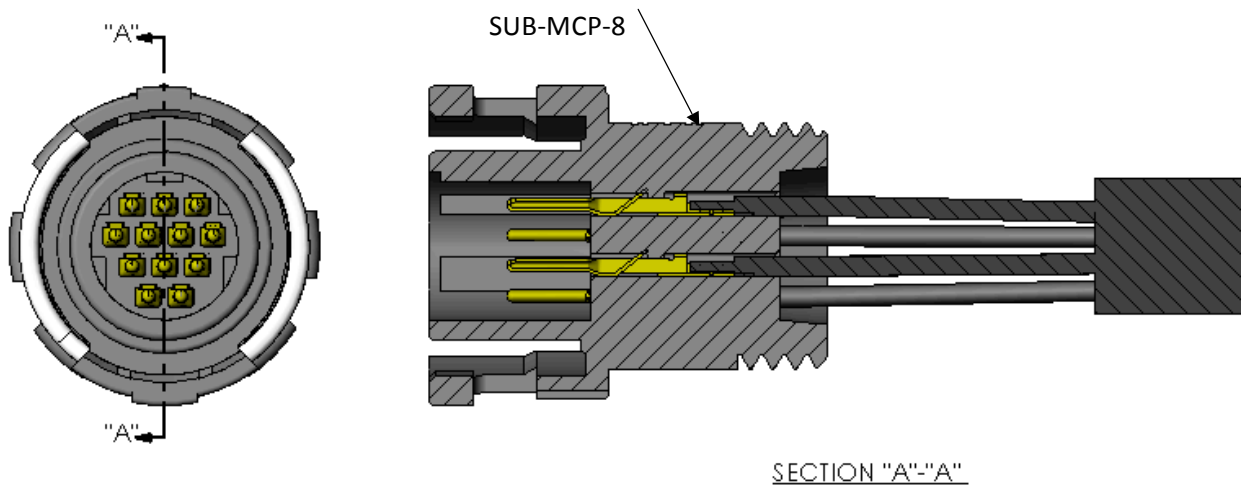


FIG 3

SUB-MCP-8 PREP

5. Samtec recommends applying Loctite 7649 primer to the threads of SUB-MCP-8.

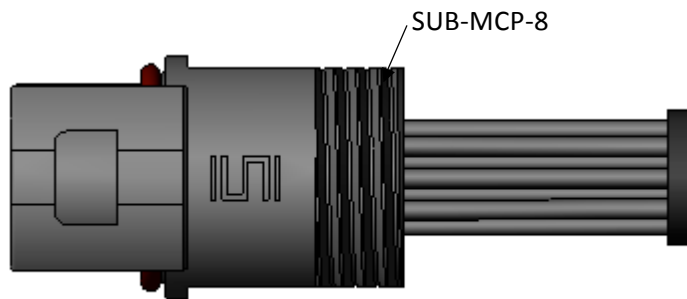


FIG 4

POSITION COUPLING RING

6. While aligning orientation features, slide CR-30-8 onto SUB-MCP-8

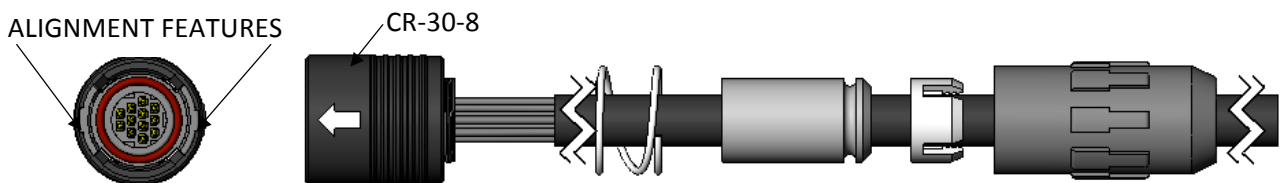


FIG 5

POSITION SPRING, CLAMP, AND GASKET

7. Samtec recommends securing the cable assembly to CAT-TF-MCX-8-01. Slide SPR-30-8 into CR-30-8. Slide CG-30-8 to seat against SUB-MCP-8. Slide CC-30-8 to seat against CG-30-8.

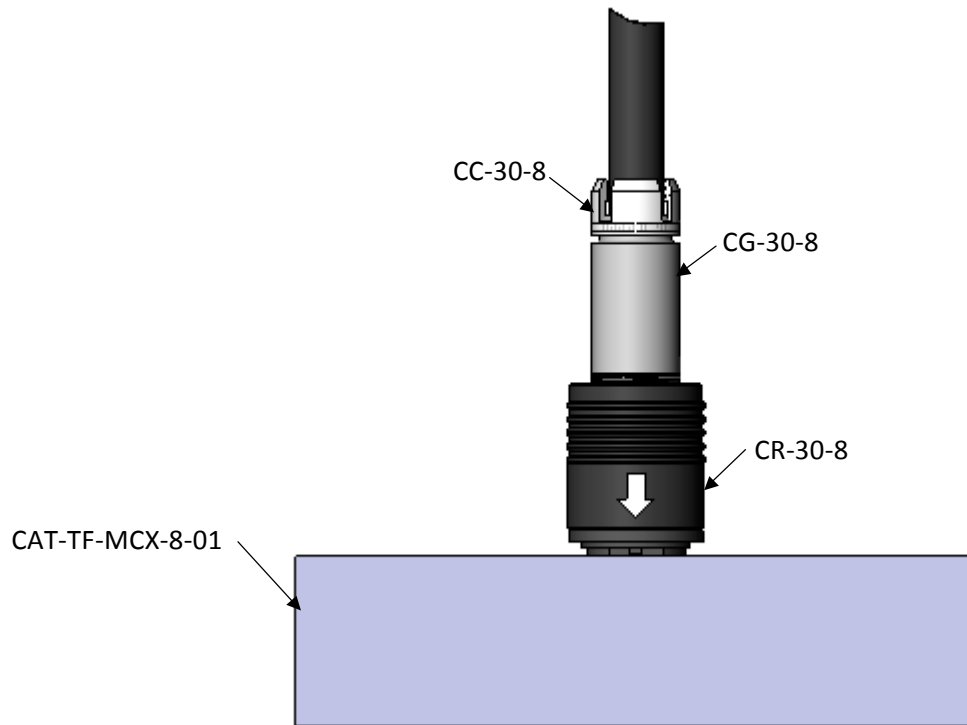


FIG 6

INSTALLING CABLE NUT

8. Samtec recommends applying Loctite 271 adhesive to the internal threads of CN-30-8. Thread CN-30-8 onto SUB-MCP-8. Torque to 0.5N (4.4 IN-LBS) using CAT-WR-MCX-8-01.

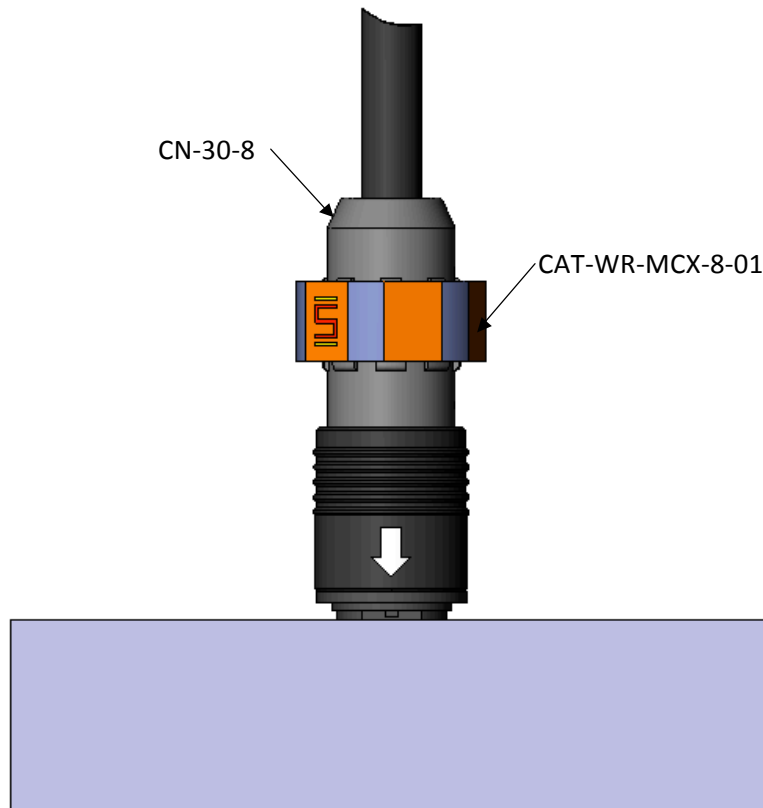
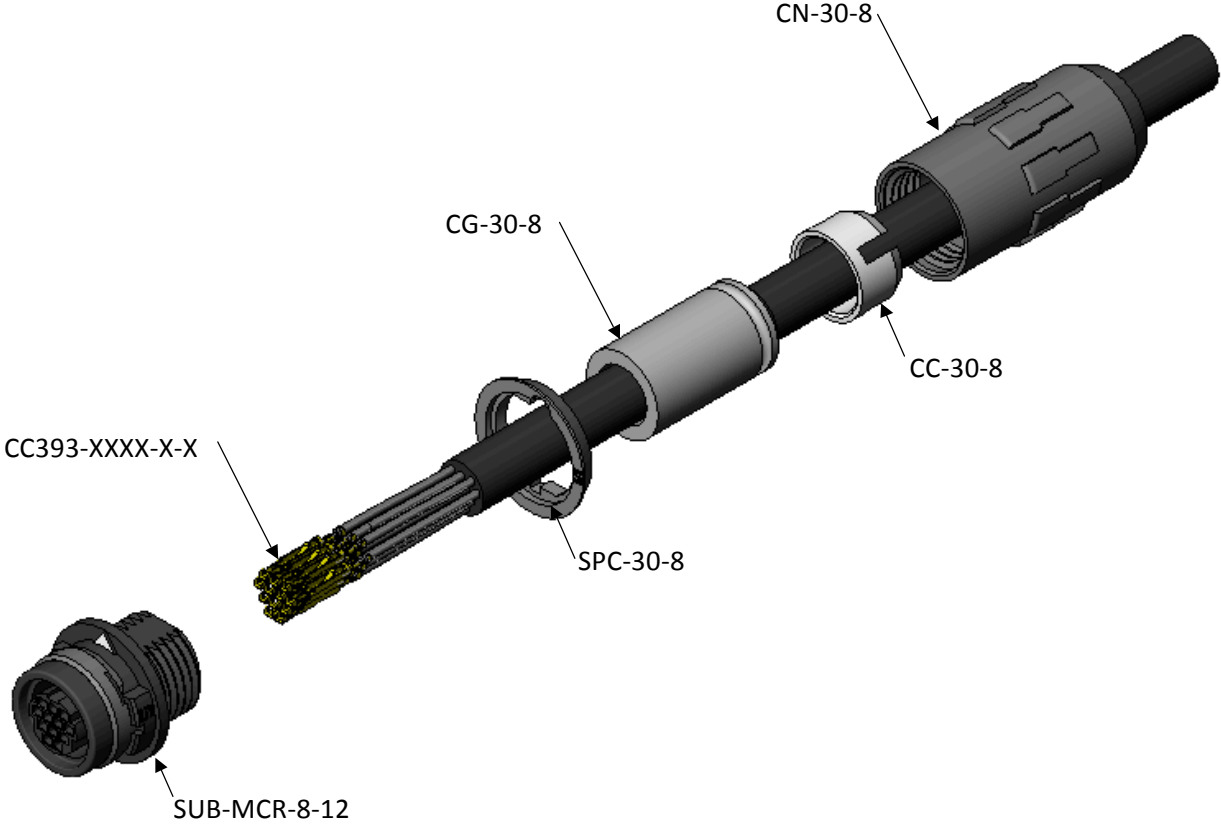


FIG 7

For additional questions regarding assembling any of Samtec's AccliMate™ line of sealed systems, please contact Samtec's Interconnect Processing Group at +1-800-SAMTEC-9 (USA & Canada) or +1-812-944-6733 or email us at ipg@samtec.com.

Following are instructions for assembling Samtec's MCPK-8-S Series AccliMate™ IP67 Sealed Cable Assembly.



CABLE/WIRES PREP

1. Strip the cable/wires according to FIG 8.

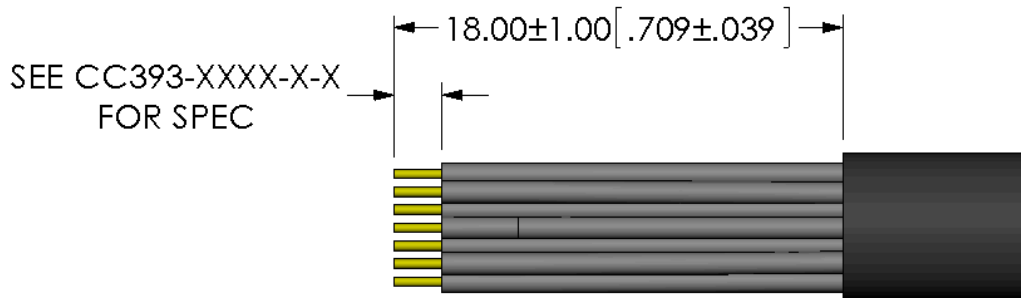


FIG 8

CRIMP WIRES

2. Crimp CC393-XXXX-X-X contacts onto stripped wires according to [CC393-XXXX-X-X specification](#).

ADD COMPONENTS TO CABLE

3. Samtec recommends applying Loctite 7649 primer to the internal threads of CN-30-8. Slide SPC-30-8, CG-30-8, CC-30-8, and CN-30-8 components on the cable as shown in FIG 9.

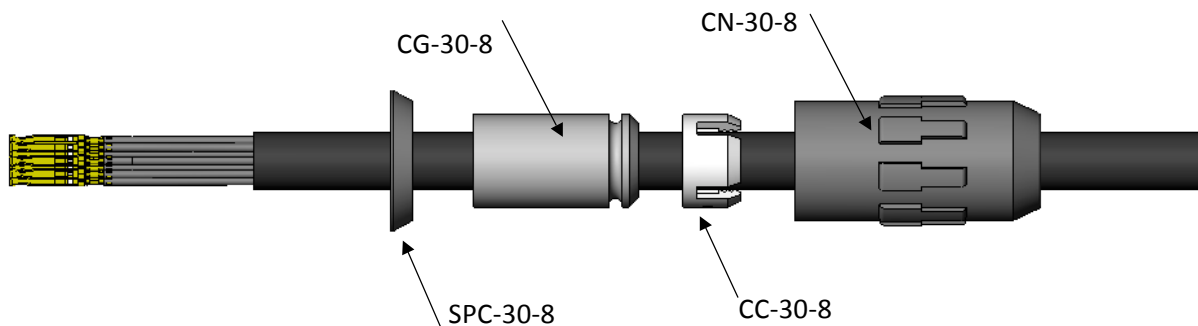


FIG 9

INSTALL HOLDER BODY

4. Poke crimped wires with CC393-XXXX-X-X contacts into SUB-MCR-8 until their retention features lock into place. As a reference, the 1st position indicator will be in the up position and the retention lance on the contact will also be up.

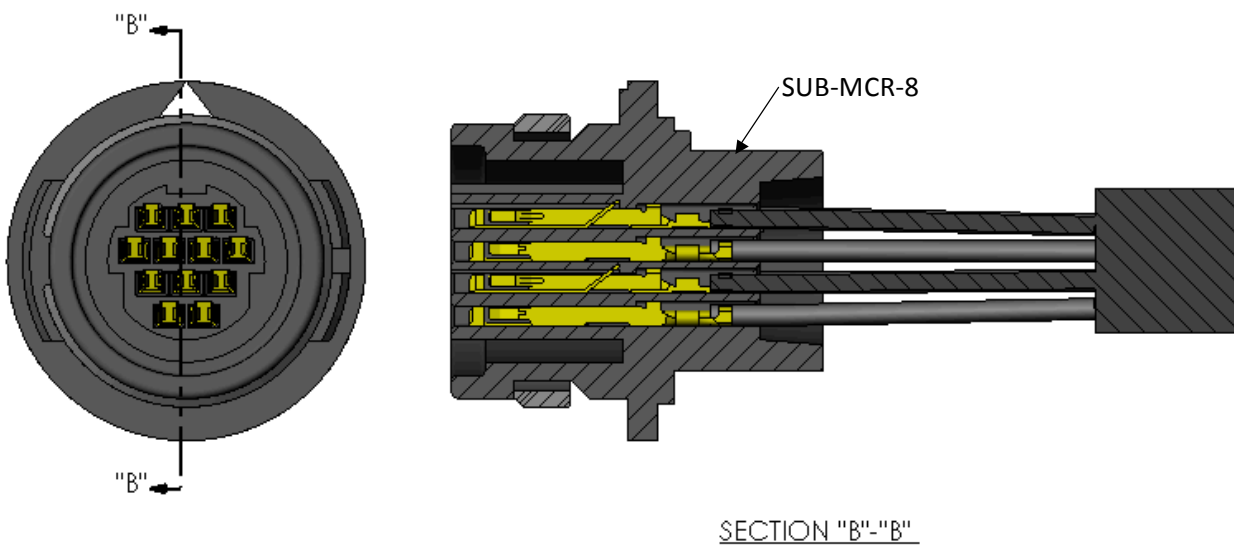


FIG 10

POSITION SPACER, CLAMP, AND GASKET

5. Samtec recommends securing the cable assembly to CAT-TF-MCX-8-01.
Slide SPC-30-8 onto SUB-MCR-8. Slide CG-30-8 to seat against SUB-MCP-8.
Slide CC-30-8 to seat against CG-30-8.

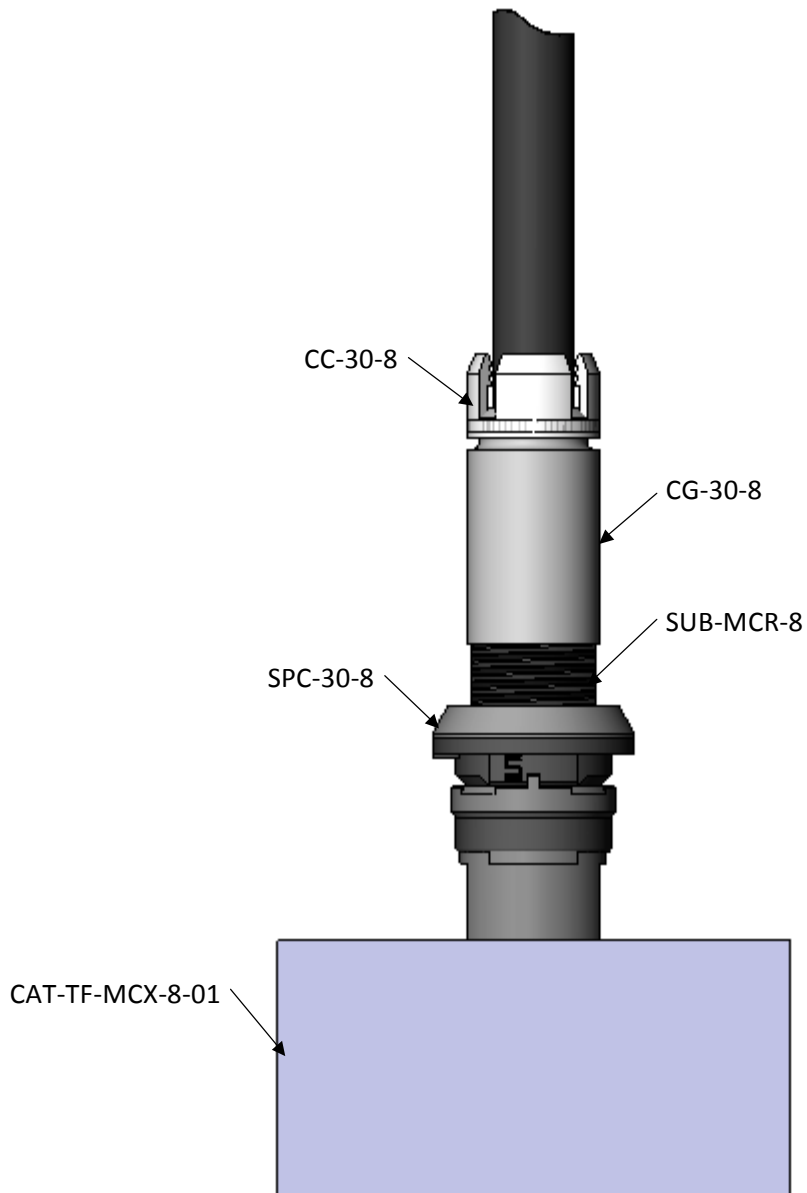


FIG 11

SUB-MCR-8 PREP

6. Samtec recommends applying Loctite 7649 primer to the threads of SUB-MCR-8. After Loctite 7649 dries, Samtec recommends applying Loctite 271 adhesive to the threads of SUB-MCR-8.

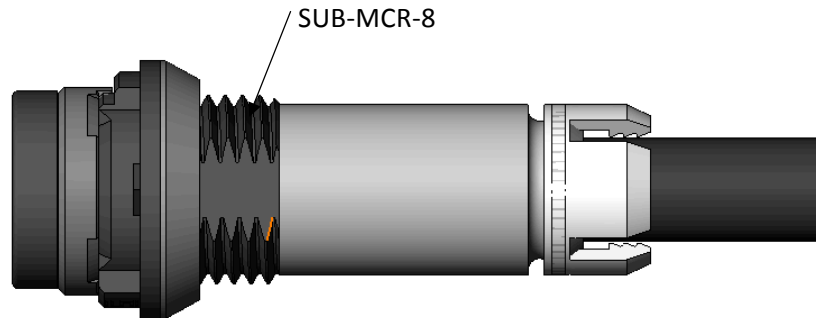


FIG 12

INSTALLING CABLE NUT

7. Thread CN-30-8 onto SUB-MCR-8. Torque to 0.5N (4.4 IN-LBS) using CAT-WR-MCX-8-01

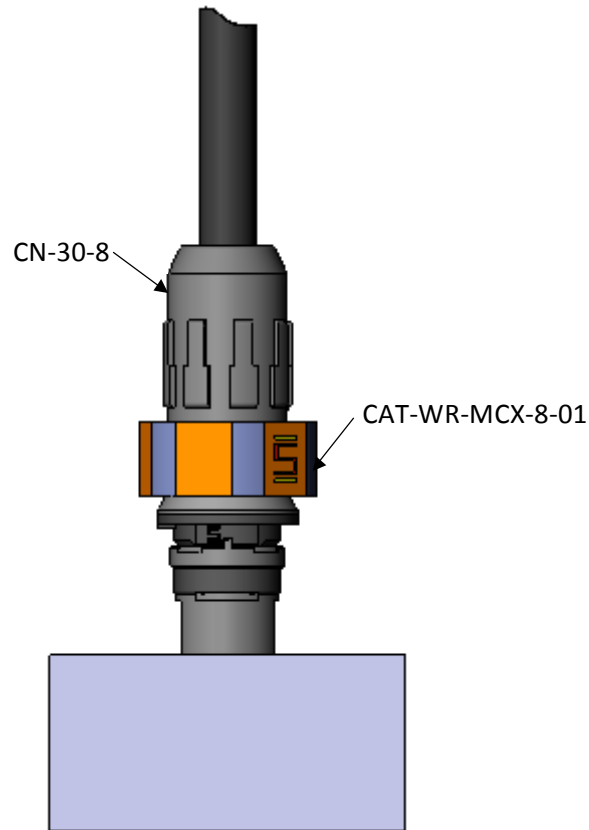


FIG 13

For additional questions regarding assembling any of Samtec's AccliMate™ line of sealed systems, please contact Samtec's Interconnect Processing Group at +1-800-SAMTEC-9 (USA & Canada) or +1-812-944-6733 or email us at ipg@samtec.com.