















# UXP-XXX-12S

For 1/2" Superflexible and Plenum Connectors



| <br><b>UXP-4MT-12S</b> | Connector models supported |             |             |             |             |
|--|----------------------------|-------------|-------------|-------------|-------------|
|  | Interface                  | 7-16 DIN    | N           | 4.3-10      | 4.1-9.5     |
|  | Male                       | UXP-DM-12S  | UXP-NM-12S  |             | UXP-DM-12S  |
|  | Female                     | UXP-DF-12S  | UXP-NF-12S  |             |             |
|  | Right angle                | UXP-DRA-12S | UXP-NRA-12S | UXP-4RT-12S | UXP-MRA-12S |
|  | Male push-pull             |             |             |             |             |

| Tools/materials required  |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| Power drill   | SP-12S-01<br>Prep/strip tool  | HCG-CC  | HCG-FRAMESET-12   | TQ-78-F8<br>(4.1-9.5<br>4.3-10)   | TW1412<br>(N type)  | TQ-114-F18<br>(7-16 DIN<br>Male)  |
|  |  |  |  |  |  |  |
| T-Handle  | RDCUTTER-S  | SP-CC   | Adjustable Wrench   | SP-PLV<br>(for plenum)  | Alcohol wipe<br>(included with connector)   |   |
|   |  |  |  |  |  |   |

## Step #1: Prep



Straighten the cable. Using RDCUTTER-S, apply even pressure while rotating the tool around the cable to cut off the cable squarely.



Attach the SP-12S-01 prep/strip tool to the drill or use the T-Handle. For plenum, keep the prepped cable end at a downward angle during the prep-coring process.



Actuate the drill to remove the jacket and expose the center conductor, then remove cable from tool.



Proper prep is achieved when the center conductor is chamfered as shown.



Use center conductor cleaner (SP-CC tool) to remove any remaining dielectric material on the center conductor.



For plenum cable, hold the prepped cable end at a downward angle, tapping the cable while vacuuming a second time.

### Cable preparation guide

Compare to picture to determine if correct cable prep was performed. (For reference only)



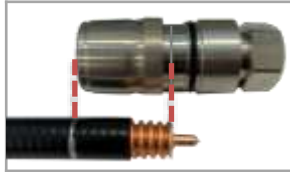
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## Step #2: Install

Optional: If using the JMA Weather Protection System (WPS), first follow the WPS instruction manual for proper installation.



Align the outer conductor with the indicator mark on the connector body as shown. Mark the cable jacket (using pen or marker) in line with the end of the connector.



Use the alcohol wipe to clean the inner and outer conductors thoroughly.



Thread the connector onto the cable until it reaches the alignment mark, and until snug (do not over-tighten).

## Step #3: Compress

| Connector | Frameset insert |
|-----------|-----------------|
| 7-16 DIN  | A               |
| RA        | A               |
| N         | B               |
| 4.1-9.5   | C               |
| 4.3-10    | D               |

Insert A   Insert B   Insert C   Insert D

Refer to chart to select proper insert for connector type.



Select the proper insert for the connector. Pull/push back the insert to allow the connector/cable to lie flat in the frame.



Make sure the connector is fully seated. Press the HCG trigger until the compression tool cycles. Do not pull or push on the tool during compression.



When fully compressed, the connector will move away from the alignment mark.

## Step #4: Torque



Mate the connector to the port, using the proper torque from the table to the right. When not attaching to a port, make sure the mating connector is supported by an adjustable wrench.

| Proper torque |                        |              |
|---------------|------------------------|--------------|
| Series        | Torque                 | Hex nut size |
| N             | 14 lbf·in (1.2 lbf·ft) | 3/4"         |
| 7-16 DIN      | 216 lbf·in (18 lbf·ft) | 1-1/4"       |
| 4.1-9.5       | 96 lbf·in (8 lbf·ft)   | 7/8"         |
| 4.3-10        | 96 lbf·in (8 lbf·ft)   | 22mm         |

**Note:** 4.3-10 push-pull connectors (4MP) do not require the torque step.



Scan for annular cable install video



Scan for plenum cable install video