


UPL-XXX-12T

For 1/2" Trilogy Plenum Connectors

|  | Connector models supported | | | | |
|--|----------------------------|-------------|-------------|-------------|-------------|
| | Interface | 7-16 DIN | N | 4.3-10 | 4.1-9.5 |
| | Male | UPL-DM-12T | UPL-NM-12T | UPL-4MT-12T | UPL-MDM-12T |
| | Female | UPL-DF-12T | UPL-NF-12T | UPL-4F-12T | UPL-MDF-12T |
| | Right angle | UPL-DRA-12T | UPL-NRA-12T | UPL-4RT-12T | UPL-MRA-12T |
| | Male push-pull | | | UPL-4MP-12T | |

Tools/materials required

| Power drill | SP-12PL Prep/strip tool | HCG-CC | HCG- FRAMESET-12 | TQ-78-F8 4.1-9.5 4.3-10 | TW1412 N type | TQ-114-F18 7-16 DIN Male |
|--|---|---|---|---|---|---|
|  |  |  |  |  |  |  |
| Marking guide | SP-PLV | RDCUTTER-S | SP-CC | Adjustable Wrench | Alcohol wipe (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 prep/strip tool to the drill. Prepping the cable on the spool is recommended for lengths under 6'.



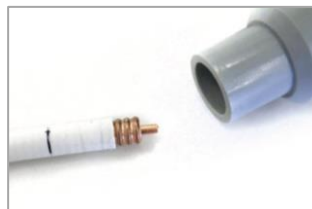
If dielectric disc is located at the cable end, remove it with pliers. This will allow for cable marking in the next step.



Slide blue marking guide over cable until it bottoms on the first dielectric ring. Mark cable with a line at the end of the marking guide.



Actuate the drill to remove the jacket and expose the center conductor until the prep tool reaches the mark made on the jacket, and the final cut is in the valley.



No coring of the dielectric is necessary. Hold the prepped cable end at a downward angle, tapping the cable while vacuuming.



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

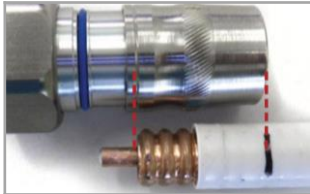


Hold the prepped cable end at a downward angle, tapping the cable while vacuuming a second time.

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Step #2: Install



Align the outer conductor as shown with the groove on the cap. Make a second installation mark on the cable jacket in line with the end of the connector.



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



Push the connector onto the cable until it reaches the first alignment mark, and two clicks are heard/felt.

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 compression tool cycles. Do not pull or push on the tool or cable during compression.



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

Step #4: Torque



When using the torque wrench, 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 install video

Cable preparation guide

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

