


# UPL-XXX-12

For 1/2" Annular Plenum Connectors

	Connector models supported					
	Interface	7-16 DIN	N	4.3-10	4.1-9.5	2.2-5
	Male	UPL-DM-12	UPL-NM-12	UPL-4MT-12	UPL-MDM-12	UPL-2MT-12
	Female	UPL-DF-12	UPL-NF-12	UPL-4F-12	UPL-MDF-12	
	Right angle	UPL-DRA-12	UPL-NRA-12	UPL-4RT-12	UPL-MRA-12	
	Male push-pull			UPL-4MP-12		

Tools/materials required						
Power drill	SP-12PL Prep/strip tool with Bit PL	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
						
SP-PLV	TQ-916-F2.2 2.2-5	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. 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 make sure the final cut is in the valley.



Hold the prepped cable end at a downward angle, tapping the cable while vacuuming with the SP-PLV adapter.



Use coring bit "PL" to remove dielectric until cable reaches stop on the tool. You may optionally use the included T-Handle to prep/strip & core cable.



Cable will have approximately one corrugation of dielectric removed.



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.

### Step #2: Install



Align the outer conductor as shown with the groove on the cap. 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.



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

### Step #3: Compress

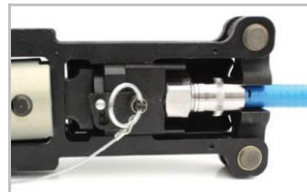
Connector	Frameset insert
7-16 DIN	A
RA	A
N	B
4.1-9.5	C
4.3-10	D
2.2-5	D

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 tool trigger until the gun 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



When using the torque wrench, make sure the mating connector is supported by an adjustable wrench.

Proper torque		
Series	Torque, lbf-in	Hex nut size
N	14 (1.2 lbf-ft)	3/4"
7-16 DIN	216 (18 lbf-ft)	1-1/4"
4.1-9.5 4.3-10	96 (8 lbf-ft)	7/8"
2.2-5.0	26.4 (2.2 lbf-ft)	9/16"

**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)

