


# UPL-XXX-78

For 7/8" Plenum Connectors

	Connector models supported				
	Interface	7-16 DIN	N	4.3-10	4.1-9.5
Male	UPL-DM-78	UPL-NM-78	UPL-4MT-78	UPL-MDM-78	
Female	UPL-DF-78	UPL-NF-78	UPL-4F-78		

Tools/materials required						
Power drill	SP-78PL Prep/strip tool	HCG-CC	HCG- FRAMESET-78	TQ-78-F8 4.1-9.5 4.3-10	TW1412 N type	TQ-114-F18 7-16 DIN Male
						
	SP-PLV	RDCUTTER-S	Side Cutters	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 and tighten securely.



Hold prepped cable end at a downward angle, then actuate drill to remove jacket and expose outer conductor. This will also trim the center conductor.



Trim dielectric back flush with outer conductor as shown, using side cutters.



Properly stripped and prepped cable is ready to be vacuumed to remove residual dielectric and debris.

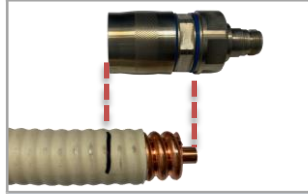


Attach the SP-PLV vacuum adaptor to vacuum hose. Hold prepped cable end at a downward angle, tapping the cable while vacuuming.

## Step #2: Install



Ensure that the center conductor is centered within the outer conductor.



Align the center conductor as shown with O-ring. Mark the cable jacket (using pen or marker) in line with the end of the connector.



Use the provided alcohol wipe to clean the outer conductor.

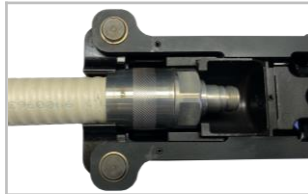


Twist the connector onto the cable until snug, and it reaches the cable mark.

## Step #3: Compress



Install the 7/8" frameset onto the HCG compression tool. Pull/push back the insert to allow the connector/cable to lie flat in the frame. Make sure the connector is fully seated.



Press HCG trigger until compression tool cycles. Do not pull or push on tool or cable during compression. After connector is fully compressed, connector will move away from alignment mark.



Add connector port seal (females only) to ensure a moisture-proof connection. The port seal should sit in the flat area behind the threads.

## 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)

