



UPL-XXX-12T

For 1/2" Trilogy Plenum Connectors



Scan for install video

	Connector models supported				
	Interface	7-16 DIN	N	4.3-10	2.2-5
Male	UPL-DM-12T	UPL-NM-12T	UPL-4MT-12T	UPL-2MT-12T-01	
Female	UPL-DF-12T	UPL-NF-12T	UPL-4F-12T		
Right angle	UPL-DRA-12T	UPL-NRA-12T	UPL-4RT-12T		
Male push-pull			UPL-4MP-12T		

Tools/materials required						
Power drill	SP-12PL-01 Prep/strip tool	HCG-CC (RP240 / RP210-B / RP100-B)	Frameset	TQ-78-F8 4.3-10	TW1412 N type	TQ-114-F18 7-16 DIN Male
			 Refer to Step #3			
TQ-916-F6 2.2-5	Marking guide	SP-PLV	RDCUTTER-S	SP-CC	Adjustable Wrench	Alcohol wipe (incl.w/conn.)
						

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 drill to remove jacket and expose center conductor until prep tool reaches mark made on jacket. Make sure final cut is in the valley, and center conductor is fully chamfered. See Cable Preparation Guide, page 3.



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.

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: Frameset options

HCG-Frameset-12	
Connector	Frameset insert
7-16 DIN	A
RA	A
N	B
4.3-10	D
2.2-5	D
<p>Insert A Insert B Insert D</p>	
Refer to chart to select proper insert for connector type.	

HCG-FS-12-01	
Connector	Frameset insert
7-16 DIN	2
RA	2
N	3
4.3-10	1
2.2-5	1
<p>Insert 1 Insert 2 Insert 3</p>	
Refer to chart to select proper insert for connector type.	



[Scan for HCG-FS-12-01 Frameset Operation Manual](#)

Step #4: Compress



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.

UPL-XXX-12T

For 1/2" Trilogy Plenum Connectors



Step #5: 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" (19 mm)
7-16 DIN	216 lbf·in (18 lbf·ft)	1-1/4" (32 mm)
4.3-10	96 lbf·in (8 lbf·ft)	7/8" (22 mm)
2.2-5.0	72 lbf·in (6 lbf·ft)	9/16" (16 mm)

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

Center conductor length 

Cable Preparation Guide

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

