


UXP-XXX-12S-01








For 1/2" Superflexible and Plenum Connectors




 UXP-4MT-12S-01	Connector models supported		
	Interface	4.3-10	2.2-5
	Male	UXP-4MT-12S-01	UXP-2MT-12S-01
	Female	UXP-4F-12S-01	
	Right angle	UXP-4RT-12S-01	UXP-2RT-12S-01
	Male push-pull	UXP-4MP-12S-01	



[Scan for installation video](#)

Tools/materials required						
Power drill	SP-12S-01 Prep/strip tool	COR12S-01 (incl. w/prep tool)	HCG-CC (RP240 / RP210-B / RP100-B)	Frameset	TQ-78-F8 (4.3-10)	TQ-916-F6 (2.2-5)
				 Refer to Step #3		
T-Handle	RDCUTTER-S	SP-CC	Adjustable Wrench	SP-PLV (for plenum)	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.


Optional: If using the JMA Weather Protection System (WPS), first follow the WPS instruction manual for proper installation before proceeding to Step #2.




Attach the prep/strip tool SP-12S-01 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 the coring bit COR12S-01 that comes with the prep tool to remove dielectric until the cable bottoms on the bit. Alternately, a drill can be used in place of T-Handle.



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



For plenum cable, insert the prepped cable end at a downward angle into the SP-PLV, tapping the cable while vacuuming.

Cable preparation guide

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

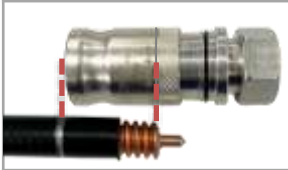


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Step #2: Install



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 it bottoms on the cable.

⚠ JMA 1/2" Superflex connectors contain a clutch mechanism to prevent over-tightening of the connector onto the cable. This also means when the connector is fully installed on the cable prior to compression, the connector will continue to spin freely when twisted, without damaging the cable.

Step #3: Frameset options

HCG-Frameset-12	
Connector	Frameset insert
RA	A
4.3-10	D
2.2-5	D
 Insert A Insert D	
Refer to chart to select proper insert for connector type.	

HCG-FS-12-01	
Connector	Frameset insert
RA	2
4.3-10	1
2.2-5	1
 Insert 1 Insert 2	
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 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.

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Step #5: 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
4.3-10	8 lbf·ft (10.8 N·m)	7/8" (22 mm)
2.2-5	6 lbf·ft (8.13 N·m)	9/16" (16 mm)

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