


# UXP-XXX-78FX

For 7/8" Annular Connectors for AVA5-50FX Cable



	Connector models supported			
	Interface	7-16 DIN	N	4.3-10
	Male	UXP-DM-78FX	UXP-NM-78FX	UXP-4MT-78FX
	Female	UXP-DF-78FX	UXP-NF-78FX	UXP-4F-78FX
	Male push-pull			

Tools/materials required					
Power drill	SP-78FX Prep/strip tool	HCG-CC	HCG- FRAMESET-78	TQ-78-F8 4.3-10	TW1412 N type
					
TQ-114-F18 7-16 DIN Male	Pliers Compressed air	RDCUTTER-S	Adjustable wrench	Alcohol wipe (incl. w conn.)	Monofilament line
					

## Step #1: Prep



Straighten cable and position RDCUTTER-S in the valley of corrugation and cut off the cable squarely.



Attach prep/strip tool to drill. Open blade lever and lock with pin. Insert cable and actuate drill.



Actuate drill until outer conductor reaches fixed stop; this will remove jacket.



Make sure leftmost blade is positioned over valley and rightmost blade will be positioned over peak closest to end of cable. Release blade lever and continue until cable is completely cut.



Blade lever is shown fully closed. Open lever, lock with pin, and remove tool. Make sure any remaining cable is removed from tool.



Remove cut outer conductor and dielectric slug with pliers.



Use monofilament line (10-20lb test) to remove foam from the center conductor, pulling the line back and forth.



Properly stripped cable is ready for connector measurement marking. Three full visible ridges are acceptable. See that the cut is made in the "valley."

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## Step #2: Install

Optional: If using the JMA Weather Protection System (WPS), first follow the WPS instruction manual for proper installation.



Align outer conductor as shown with end of cap. Mark cable jacket (using pen or marker) in line with end of connector.



Use alcohol wipe to clean inner and outer conductors thoroughly. Use compressed air to remove any debris from dielectric or conductors.



Push and twist connector onto cable until it reaches cable mark.

## Step #3: Compress



Pull/push back the insert to allow connector/cable to lay flat in the frame. Make sure connector is fully seated.



Press HCG tool trigger until gun 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 (DIN female 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" (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)
<b>Note:</b> Use proper torque based on the type of interface.		



Scan for install video

### Cable preparation guide

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

