Installation Instructions
For 7/8" Plenum Connectors

JMA WIRELESS

4G LTE ADVANCED

RoHS 2002/95/EC

Connector



- UPL-DF-78
- UPL-DM-78
- UPL-NF-78
- UPL-NM-78
- UPL-MDM-78
- UPL-4MT-78
- UPL-4F-78
- UPL-4MP-78

Tools/Materials



TW1412 Torque Wrench N-Male



TQ-114-F18 Torque Wrench Din-Male



12" Adjustable Wrench



TQ-78-F8 Torque Wrench Mini Din-Male



Safety Glasses



SP-78PL Prep/Strip Tool



HCG-FRAMESET-7/8



Alcohol Wipe



Side Cutters



RDCUTTER-S



Power Drill

SP-PLV Vacuum Adapter

Always wear safety glasses when operating tools.

Step #1: Prep

With a few simple steps, JMA compression connectors can be easily and consistently installed on 7/8" plenum cable.



Straighten cable and position RDCUTTER-S on the cable squarely. Apply even pressure, rotate the cutter around the cable to create a clean, straight cut.



Attach the SP-78PL Prep/Strip tool to 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.

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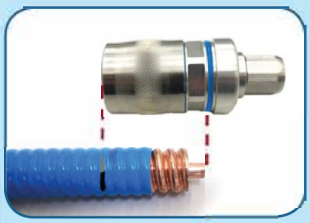
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Step #2: Install



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



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



Use the provided alcohol wipe to clean the outer conductor.



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

Step #3: Compress



Install the 7/8" frameset onto the HCG compression gun. Pull/push back the insert to allow connector/cable to lay flat in 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 (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.

Series	Torque (in. lbs.)	Hex Nut Size
N	14 (1.2 ft. lbs.)	3/4"
DIN	216 (18 ft. lbs.)	1-1/4"
4.1-9.5 & 4.3-10	96 (8 ft. lbs.)	7/8"

Use proper torque based on the type of interface.

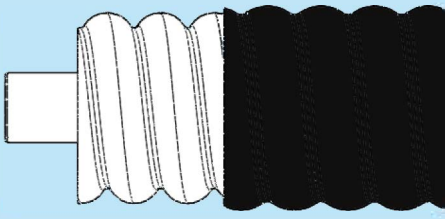
Note:

4.3-10 Push/Pull Connectors (4MP) Do Not Require Torque Step

Mobile-enabled:
JMAqr.com

Scan for install video.

Cable preparation guide



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

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