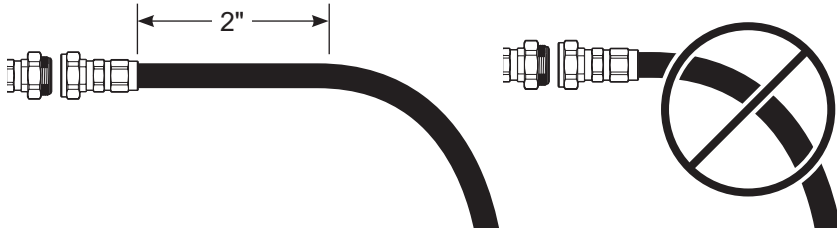


## Installation of HELIAX® Jumper Products

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CommScope Infrastructure Academy offers installation training.

**1 Maintain 2-inch straight cable length behind the cable.**  
Do not hold the connector and bend the cable directly behind it, rather hold the cable adjacent to the connector to keep stress from the cable/connector junction.



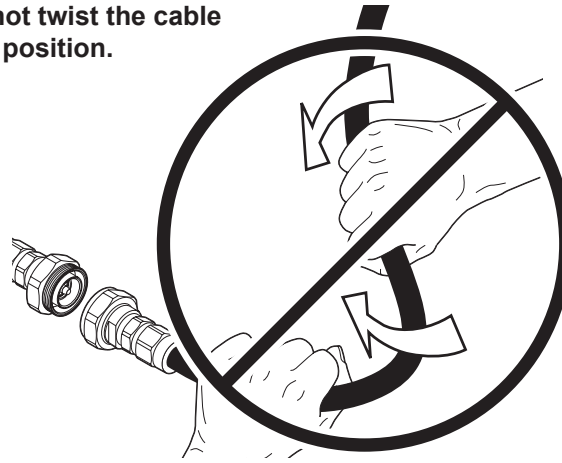
**2 Do not exceed the cable minimum bend radius.**

Single Bend Radius Table*	
Cable	Radius, inches
FSJ1	1.0 (25.4mm)
LSF2	1.0 (25.4mm)
FSJ4 / RSJ4	1.25 (31.8mm)
LDF1	1.5 (38.1mm)
LDF2	1.6 (40.6mm)
LDF4	2.0 (50.8mm)

\*Note: Requires use of mandrel to achieve single bend radius.

**3 Route and form the cable in place prior to attaching the coupling nuts.**

**4 Do not twist the cable into position.**

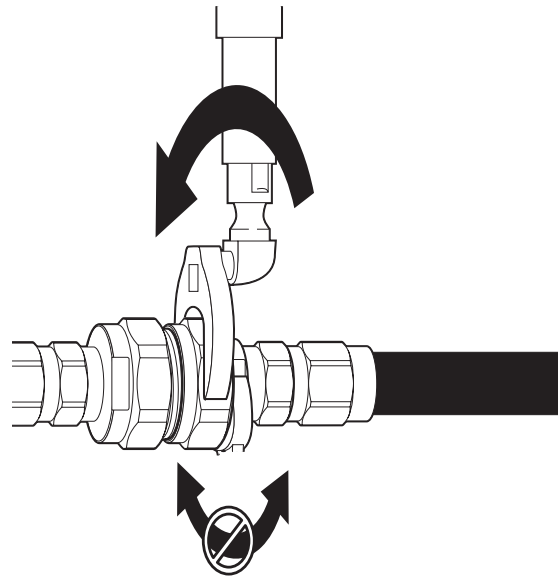


**5 Do not attach the connector coupling nut of one jumper connector and leave the opposite end hanging unattached.**

**6 Tighten the coupling nuts per manufacturer or industry specifications.**

- Use of a torque wrench on coupling nut is recommended.
- Use two wrenches. Place the torque wrench on the coupling nut, while simultaneously keeping the connector front body stationary using a second wrench. This will properly activate/compress the sealing gaskets to keep moisture out and allows for the most consistent and best possible electrical results.
- On site, under-torqued coupling nuts are a leading cause of sweep difficulties.

Connector Interface Type	Tightening Torque
7/16 DIN	18-22 lb-FT (25-30 N*m)
Type N	15-20 lb-IN (1.7-2.3 N*m)
4.1/9.5 DIN	88-132 lb-IN (10-15 N*m)
4.3-10	44-70 lb-IN (5-8 N*m)
NEX10	35-44 lb-IN (4-5 N*m)



NOTE: Connector interface threads and O-rings are designed for mate ability without ANY supplementary treatment to threads or O-rings. If any type of supplementary lubricants/oils are used, the warranty will be void, and connector/assembly performance may be affected.

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