

Installation of HELIAX® Jumper Products

Bulletin 7843712 Revision B Page 1 of 1

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.



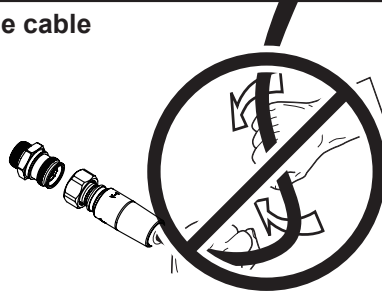
2 Do not exceed the cable minimum bend radius.

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.

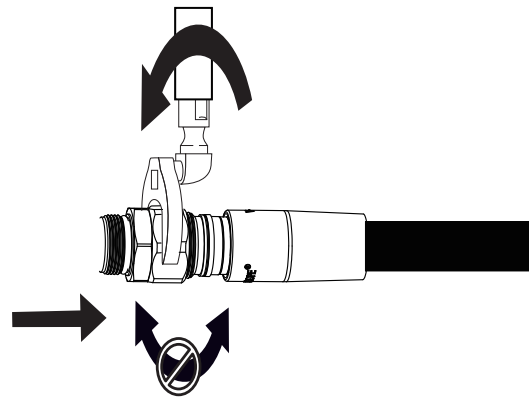


5 Do not attach the connector coupling nut of one jumper connector and leave the opposite end hanging unattached.

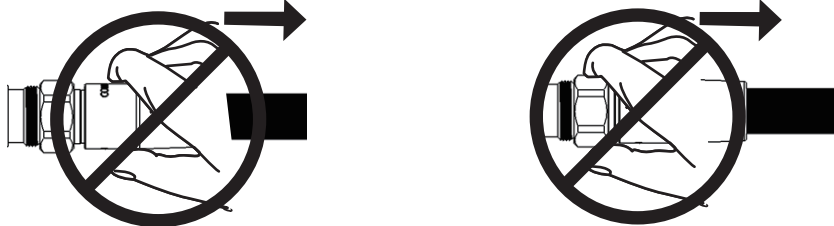
6 Tighten the coupling nuts per manufacturer or industry specifications.

- 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)



7 Do not pull boot back and do not pull boot back by coupling nut with force greater than 50N (11lbs).



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. CommScope recommends to secure the jumper to avoid excessive wind vibration, at 1m from either end and intervals from 0.5m ~ 1.5m based on hanger spacing considerations.

CommScope

1100 CommScope Place SE P.O. Box 339, Hickory, NC 28603-0339
(828) 324-2200 (800) 982-1708
www.commscope.com

Technical Support

+1 888 297 6433, Option 3 (Toll Free US and Canada)
+1 828 323 4220, Option 3 (local)
<https://www.commscope.com/wisupport> (open a ticket)

Notice: CommScope disclaims any liability or responsibility for the results of improper or unsafe installation, inspection, maintenance, or removal practices.

Aviso: CommScope no acepta ninguna obligación ni responsabilidad como resultado de prácticas incorrectas o peligrosas de instalación, inspección, mantenimiento o retiro.

Avvis: CommScope décline toute responsabilité pour les conséquences de procédures d'installation, d'inspection, d'entretien ou de retrait incorrectes ou dangereuses.

Hinweis: CommScope lehnt jede Haftung oder Verantwortung für Schäden ab, die aufgrund unsachgemäßer Installation, Überprüfung, Wartung oder Demontage auftreten.

Atenção: A CommScope abdica do direito de toda responsabilidade pelos resultados de práticas inadequadas e sem segurança de instalação, inspeção, manutenção ou remoção.

Avvertenza: CommScope declina eventuali responsabilità derivanti dall'esecuzione di procedure di installazione, ispezione, manutenzione e smontaggio improprie o poco sicure.

注意: CommScope 公司申明對於不恰當或不安全的安裝、檢驗、維修或拆卸操作所導致的後果不負任何義務和責任

