HELIAX® standard product selection guide for North America

Fifth Edition

COMMSCOPE®

Reference Key

Connector type	Description
DM	DIN Male
DF	DIN Female
NM	N Type Male
NF	N Type Female
DR	DIN Right Angle Male
HM	4.3-10 Male
HF	4.3-10 Female
NR	Right Angle Male
BHC	Bulk Head Connector
HMP	4.3-10 Male push/pull
HR	Right Angle 4.3-10
KM	4.1–9.5 DIN straight male

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CommScope M-LOC Next Generation cluster solution

Cell towers are becoming increasingly overcrowded with antennas and related equipment. To alleviate tower loads and control tower-related expenses, mobile operators are upgrading antennas typically supporting two to eight radios. The result is an increasing number of RF ports that are packed within the same physical space as the older antennas. As antenna port counts increase, the time, complexity and physical risks of connecting dozens of connectors—while suspended atop a tower—creates a new challenge for mobile operators and their installation partners.

Understanding the trend toward more complex radios such as multiband FDD 4T4R and LTE TDD/5G NR 8T8R, CommScope has designed and developed M-LOC, a second-generation cluster connector technology. In addition to reducing installation time and costs, these new cluster connectors address key challenges such as mating issues, PIM reduction, advanced radio support and cable manageability.

Operators can now choose from cluster connectors that are optimized for reliable and consistent PIM performance for a wide range of applications—enabling them to take advantage of new antenna designs.

Similarly, connector OEMs are finding ways to better control insertion loss between the radio and antenna—leveraging the latest 3/8-in jumpers from CommScope that combine best-in-class attenuation with ease of deployment. By re-arranging the individual connectors, manufacturers can mate the cluster connector to larger diameter cables and reduce insertion loss.

Moreover, several BSA manufacturers are already using M-LOC for their products to simplify deployment, mitigate PIM and improve performance.

Key facts

- Patented latching mechanism
- Four- and five-port configurations
- Compact form factor footprint
- Available with ¼-inch and low loss ⅜-inch jumper
- Dynamic PIM performance
- IP68 rated

Fast and easy installation

- Multiport coaxial connection for easy and fast installation: just seven seconds to make four or five antenna connections
- Designed to be installed without tools, and virtually without training, as there is only one way to fasten it
- One-handed blind mating; visual indication and audible feedback of secure mating—taking mating uncertainty out of the equation
- Matching protrusion on housing; tamper resistant
- Center port flexibility—can be calibration or AISG

Application

- Outdoor macro network
- Outdoor small cells
- 5G multi-band antennas
- Multi-port communication devices

M-LOC 3/8" Cable Assemblies, Four and Five Port Clusters

Part Number	Cable Length (meters)	Description
MLOC-4-LS2XMNM-3M	3 meters	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to N male, size 3/8", length 3 meters
MLOC-4-LS2XMHM-3M	3 meters	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male, size 3/8", length 3 meters
MLOC-4-LS2XMHM-2M	2 meters	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male, size 3/8", length 2 meters
MLOC-4-LS2XM-1M	1 meter	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to open end, size 3/8", length 1 meter
MLOC-4-LS2XMHM-1M	1 meter	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male, size 3/8", length 1 meter
MLOC4-LS2XMXM-15	15 feet	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to Nex10 male, size 3/8", length 15feet
MLOC-4-LS2XMXM-3M	3 meters	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to Nex10 male, size 3/8", length 3Meters
MLOC-5-LS2XMHM-3M	3 meters	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male, size 3/8", length 3 meters
MLOC-5-LS2XMNM-3M	3 meters	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to N male, size 3/8", length 3 meters
MLOC-5-LS2XMXM-3M	3 meters	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to Nex10 male, size 3/8", length 3Meters
MLOC-5-LS2XMHM-2M	2 meters	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male, size 3/8", length 2 meters
MLOC-5-LS2XMHM-1M	1 meter	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male, size 3/8", length 1 meter
MLOC-5-LS2XM-HM-1M	1 meter	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male, size 3/8", length 1 meter
MLOC5-LS2XMXM-15	15 feet	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to Nex10 male,size 3/8", length 15feet

M-LOC 1/4" Cable Assemblies, Four and Five Port Clusters

Part Number	Cable Length (meters)	Description
MLOC-4-F1XM-HM-3M	3 meters	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male, size 1/4", length 3 meters
MLOC-4-F1XM-HF-1M	1 meter	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 female, size 1/4", length 1 meter
MLOC-4-F1XM-XM-M5	0.5 meter	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to NEX10 male, size 1/4", length 0.5 meters
MLOC-4-F1XM-HF-M5	0.5 meter	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 female, size 1/4", length 0.5 meters
MLOC-4-F1XM-HF-1M5	1.5 meters	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 female, size 1/4", length 1.5 meters
MLOC-4-F1XM-HF-3M	3 meters	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 female, size 1/4", length 3 meters
MLOC-4-F1XM-HM-1M5	1.5 meters	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male, size 1/4", length 1.5 meters
MLOC-4-F1XM-NM-3M	3 meters	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to N male,size 1/4", length 3 meters
MLOC-4-F1XM-XM-1M	1 meter	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to NEX10 male, size 1/4", length 1 meter
MLOC-4-F1XM-HM-2M	2 meter	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male, size 1/4", length 2 meters
MLOC-4-F1XM-HM-1M	1 meter	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male, size 1/4", length 1 meter
MLOC-4-F1XM-XM-5M	5 meter	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to NEX10 male, size 1/4", length 5 m
MLOC-4-F1XM-HM-5M	5 meter	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male,size 1/4", length 5 meters
MLOC-4-F1XM-XM-3M	3 meters	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to NEX10 male, size 1/4", length 3 m
MLOC-4-F1XM-HM-M25	0.25 meter	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male, size 1/4", length 0.25 meters
MLOC-4-F1XM-HM-M3	0.3 meter	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male,size 1/4", length 0.3 meters
MLOC-4-F1XM-XM-1M5	1.5 meters	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to NEX10 male, size 1/4", length 1.5 meters

M-LOC 1/4" Cable Assemblies, Four and Five Port Clusters *continued*

Part Number	Cable Length (meters)	Description
MLOC4-F1XMHF-1M5C	1.5 meters	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 female, size 1/4", length 1.5 meters, with co-polar port marking
MLOC4-F1XMXMW-5M	5 meter	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to NEX10 male with HELIAX® SureGuard weatherproofing, size 1/4", length 5 m
MLOC4-F1XMXMW-5M	5 meters	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to NEX10 male with HELIAX® SureGuard weatherproofing, size 1/4", length 5 m
MLOC-5-F1XM-HM-M25	0.25 meter	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male, size 1/4", length 0.25 meters
MLOC-5-F1XM-XM-1M	1 meter	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to NEX10 male, size 1/4", length 1 meter
MLOC-5-F1XM-HF-1M	1 meter	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 female, size 1/4", length 1 meter
MLOC-5-F1XM-HF-1M5	1.5 meters	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 female, size 1/4", length 1.5 meters
MLOC-5-F1XM-HF-3M	3 meters	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 female,size 1/4", length 3 meters
MLOC-5-F1XM-HM-5M	5 meter	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male, size 1/4", length 5 meters
MLOC-5-F1XM-XM-5M	5 meter	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to NEX10 male, size 1/4", length 5 m
MLOC-5-F1XM-HF-M5	0.5 meter	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 female, size 1/4", length 0.5 meters
MLOC-5-F1XM-NM-3M	3 meters	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to N male, size 1/4", length 3 meters
MLOC-5-F1XM-HM-1M	1 meter	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male, size 1/4", length 1 meter
MLOC-5-F1XM-XM-3M	3 meters	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to NEX10 male, size 1/4", length 3 m
MLOC-5-F1XM-HM-2M	2 meter	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male, size 1/4", length 2 meters
MLOC-5-F1XM-HF-M3	0.3 meter	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 female, size 1/4", length 0.3 meters
MLOC-5-F1XM-HM-1M5	1.5 meters	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male, size 1/4", length 1.5 meters

M-LOC 1/4" Cable Assemblies, Four and Five Port Clusters *continued*

Part Number	Cable Length (meters)	Description
MLOC-5-F1XM-HM-3M	3 meters	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male, size 1/4", length 3 meters
MLOC-5-F1XM-HM-M3	0.3 meter	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male, size 1/4", length 0.3 meters
MLOC-5-F1XM-XM-1M5	1.5 meters	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to NEX10 male, size 1/4", length 1.5 meters
MLOC-5-F1XM-XM-M3	0.3 meter	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to NEX10 male,size 1/4", length 0.3 meters
MLOC-5-F1XM-XM-M5	0.5 meter	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to NEX10 male, size 1/4", length 0.5 meters
MLOC5-F1XMHF-1M5C	1.5 meters	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 female, size 1/4", length 1.5 meters, with co-polar port marking
MLOC5E-F1XMXM-3M	3 meters	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to NEX10 male, size 1/4", length 3 m
MLOC5-F1XMXMW-5M	5 meter	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to NEX10 male with HELIAX® SureGuard weatherproofing, size 1/4", length 5 m

M-LOC 1/4" Cable Asemblies, BSA Applications Four and Five Port Clusters

Part Number	Cable Length (meters)	Description
MLOC4-RGXF-3M5	3.5 meters	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC female to open end, size 0.141", length 3.5 meters
MLOC4-RGXF-2M5	2.5 meters	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC female to open end, size 0.141", length 2.5 meters
MLOC4-RGXF-1M5	1.5 meters	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC female to open end, size 0.141", length 1.5 meters
MLOC4-RGXFHF-1M	1 meter	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC female to 4.3-10 Panel Mount Female, size 0.141", length 1 meters
MLOC4-RGXFHF-1M	1 meter	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC female to 4.3-10 Panel Mount Female, size 0.141", length 1 meters
MLOC4-RGXFM4F-3M	3 meters	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC Female Panel mount to M-LOC Female Panel mount, size 0.141", length 3 meters
MLOC5-RGXF-1M5	1.5 meters	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC female to open end, size 0.141", length 1.5 meters
MLOC5-RGXF-2M5	2.5 meters	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC female to open end, size 0.141", length 2.5 meters
MLOC5-RGXF-3M5	3.5 meters	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC female to open end, size 0.141", length 3.5 meters
MLOC5-RGXFM5F-3M	3 meters	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC female Panel mount to M-LOC Female Panel mount, size 0.141", length 3 meter
MLOC5-RGXFHF-1M	1 meter	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC female to 4.3-10 Female, size 0.141", length 1 meter

M-LOC 1/4” Birdproof Cable Assemblies , Four and Five Port Clusters

Part Number	Cable Length (meters)	Description
MLOC-4-F1BXMHM-3M	3 meters	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male,size 1/4", length 3 meters, covered by conduit shield
MLOC-4-F1BXMHM-5M	5 meters	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male,size 1/4", length 5 meters, covered by conduit shield
MLOC-4-F1BXM-HM-1M5	1.5 meters	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male,size 1/4", length 1.5 meters, covered by conduit shield
MLOC4-LS2XMHMQ-3M	3 meters	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male push pull,size 3/8", length 3 meters
MLOC4-F1BXMXM-5M	5 meters	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to Nex10 male,size 1/4", length 5 meters, covered by conduit shield
MLOC4-F1BXMXM-1M5	1.5 meters	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to Nex10 male,size 1/4", length 1.5 meters, covered by conduit shield
MLOC4-F1BXMXM-3M	3 meters	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to Nex10 male,size 1/4", length 3 meters, covered by conduit shield
MLOC-5-F1BXMHM-5M	5 meters	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male,size 1/4", length 5 meters, covered by conduit shield
MLOC-5-F1BXMHM-3M	3 meters	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male,size 1/4", length 3 meters, covered by conduit shield
MLOC-5-F1BXM-HM-1M5	1.5 meters	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male,size 1/4", length 1.5 meters, covered by conduit shield
MLOC5-LS2XMHMQ-3M	3 meters	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male push pull,size 3/8", length 3 meters
MLOC5-F1BXMXM-5M	5 meters	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to Nex10 male,size 1/4", length 5 meters, covered by conduit shield
MLOC5-F1BXMXM-3M	3 meters	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to Nex10 male,size 1/4", length 3 meters, covered by conduit shield
MLOC5-F1BXMXM-1M5	1.5 meters	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to Nex10 male,size 1/4", length 1.5 meters, covered by conduit shield

M-LOC Test Adapters

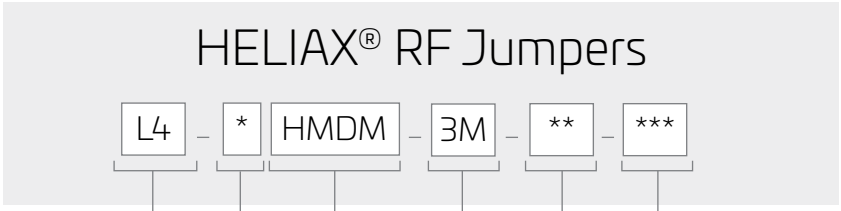
Part Number	Description
TA-MLOC5HF	HELIAX® M-LOC Male Multiport Cluster 5 ports to 4.3-10 Female RL Test Adapter
TA-MLOC4HF	HELIAX® M-LOC Male Multiport Cluster 4 ports to 4.3-10 Female RL Test Adapter

M-LOC Push Pull Cable Assemblies , Four and Five Port Clusters

Part Number	Cable Length (meters)	Description
MLOC5-LS2XMHMQ-3M	3 meters	HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male push pull,size 3/8", length 3 meters
MLOC4-LS2XMHMQ-3M	3 meters	HELIAX® M-LOC Multiport cluster 4 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male push pull,size 3/8", length 3 meters

HELIAX® RF Jumpers

HELIAX® RF Jumpers Model Number Nomenclature Chart



Cable Type

L4	LDF4-50A 1/2" D-CLASS
L4R, L4RNA	FIRE RETARDANT LDF4
HL	PLENUM (COPPER)

Wildcard A: P or HP

P	Plated (old nomenclature used on standard jumpers)
HP	HELIAX® Performance

Wildcard A: Examples

HM	4.3-10 STRAIGHT MALE
HR	4.3-10 RIGHT ANGLE MALE
DM	7-16 DIN STRAIGHT MALE
DR	7-16 DIN RIGHT ANGLE MALE
KM	4.1-9.5 DIN STRAIGHT MALE
HF	4.3-10 STRAIGHT FEMALE
DF	7-16 DIN STRAIGHT FEMALE

Length (M/Ft): Examples

3M	3 Meters
3M5	3.5 Meters
3	3 Feet

Wildcard B

-D	D-CLASS
-P	PREMIUM
-PB	PREMIUM BIRDPROOF
-SGW	SUREGUARD
-SGB	SUREGUARD BIRDPROOF
-X	PIGTAIL (1-END FIT)

Wildcard C

Only use when jumper is a D-Class variant with other features. -D is always last in the nomenclature.

-D	D-CLASS

Example: F4-HMHM-3M-SGW-D
SGW feature on a D-CLASS jumper

SureFlex Cable Assemblies; Standard 1/2-Inch Cable

Description	Cable Length (feet)	Part Number	Cable Length (meters)	Part Number
7-16 DIN Male to 7-16 DIN Male	3′	L4A-DMDM-3-P	1M	L4A-DMDM-1M-P
	4′	L4A-DMDM-4-P	1.5M	L4A-DMDM-1M5-P
	6′	L4A-DMDM-6-P	2M	L4A-DMDM-2M-P
	8′	L4A-DMDM-8-P	2.5M	L4A-DMDM-2M5-P
	10′	L4A-DMDM-10-P	3M	L4A-DMDM-3M-P
	12′	L4A-DMDM-12-P	4M	L4A-DMDM-4M-P
	15′	L4A-DMDM-15-P	5M	L4A-DMDM-5M-P
	20′	L4A-DMDM-20-P	6M	L4A-DMDM-6M-P
	30′	L4A-DMDM-30-P	10M	L4A-DMDM-10M-P
	40′	L4A-DMDM-40-P	12M	L4A-DMDM-12M-P
	60′	L4A-DMDM-60-P	18M	L4A-DMDM-18M-P
7-16 DIN Male to 7-16 DIN Male Right Angle	6′	L4A-DMDR-6-P	2M	L4A-DMDR-2M-P
	8′	L4A-DMDR-8-P	2.5M	L4A-DMDR-2M5-P
	10′	L4A-DMDR-10-P	3M	L4A-DMDR-3M-P
	15′	L4A-DMDR-15-P	5M	L4A-DMDR-5M-P
	20′	L4A-DMDR-20-P	6M	L4A-DMDR-6M-P

D-CLASS SureFlex Cable Assemblies; Standard 1/2-Inch Cable with SureGuard weatherproofing

Description	Cable Length (feet)	Part Number	Cable Length (meters)	Part Number
7-16 DIN Male to 7-16 DIN Male	3′	L4A-DMDM-3-P-SGW	1M	L4A-DMDM-1M-P-SGW
	4′	L4A-DMDM-4-P-SGW	1.5M	L4A-DMDM-1M5-P-SGW
	6′	L4A-DMDM-6-P-SGW	2M	L4A-DMDM-2M-P-SGW
	8′	L4A-DMDM-8-P-SGW	2.5M	L4A-DMDM-2M5-P-SGW
	10′	L4A-DMDM-10-P-SGW	3M	L4A-DMDM-3M-P-SGW
	12′	L4A-DMDM-12-P-SGW	3.5M	L4A-DMDM-3M5-P-SGW
	15′	L4A-DMDM-15-P-SGW	5M	L4A-DMDM-5M-P-SGW
	20′	L4A-DMDM-20-P-SGW	6M	L4A-DMDM-6M-P-SGW
7-16 DIN Male to 7-16 DIN Male Right Angle	6′	L4A-DMDR-6-P-SGW	2M	L4A-DMDR-2M-P-SGW
	8′	L4A-DMDR-8-P-SGW	2.5M	L4A-DMDR-2M5-P-SGW
	10′	L4A-DMDR-10-P-SGW	3M	L4A-DMDR-3M-P-SGW
	15′	L4A-DMDR-15-P-SGW	5M	L4A-DMDR-5M-P-SGW
	20′	L4A-DMDR-20-P-SGW	6M	L4A-DMDR-6M-P-SGW

D-CLASS SureFlex Cable Assemblies; Standard 1/2-Inch Cable

Description	Cable Length (feet)	Part Number	Cable Length (meters)	Part Number
4.3-10 Male to 7-16 DIN Male	3′	L4-HMDM-3-D	1M	L4-HMDM-1M-D
	4′	L4-HMDM-4-D	1.5M	L4-HMDM-1M5-D
	6′	L4-HMDM-6-D	2M	L4-HMHM-2M-D
	8′	L4-HMDM-8-D	2.5M	L4-HMDM-2M5-D
	10′	L4-HMDM-10-D	3M	L4-HMDM-3M-D
	12′	L4-HMDM-12-D	4M	L4-HMDM-4M-D
	15′	L4-HMDM-15-D	5M	L4-HMDM-5M-D
	20′	L4-HMDM-20-D	6M	L4-HMDM-6M-D
	25′	L4-HMDM-25-D	8M	L4-HMDM-8M-D
	30′	L4-HMDM-30-D	10M	L4-HMDM-10M-D
4.3-10 Male to 7-16 DIN Male Right Angle	6′	L4-HMDR-6-D	2M	L4-HMDR-2M-D
	8′	L4-HMDR-8-D	2.5M	L4-HMDR-2M5-D
	10′	L4-HMDR-10-D	3M	L4-HMDR-3M-D
	15′	L4-HMDR-15-D	5M	L4-HMDR-5M-D
	20′	L4-HMDR-20-D	6M	L4-HMDR-6M-D
4.3-10 Male Right Angle to 7-16 DIN Male	6′	L4-HRDM-6-D	2M	L4-HRDM-2M-D
	8′	L4-HRDM-8-D	2.5M	L4-HRDM-2M5-D
	10′	L4-HRDM-10-D	3M	L4-HRDM-3M-D
	15′	L4-HRDM-15-D	5M	L4-HRDM-5M-D
	20′	L4-HRDM-20-D	6M	L4-HRDM-6M-D

D-CLASS SureFlex Cable Assemblies; Standard 1/2-Inch Cable *continued*

Description	Cable Length (feet)	Part Number	Cable Length (meters)	Part Number
4.3-10 Male to 4.3-10 Male	3′	L4-HMHM-3-D	1M	L4-HMHM-1M-D
	4′	L4-HMHM-4-D	1.5M	L4-HMHM-1M5-D
	6′	L4-HMHM-6-D	2M	L4-HMHM-2M-D
	8′	L4-HMHM-8-D	2.5M	L4-HMHM-2M5-D
	10′	L4-HMHM-10-D	3M	L4-HMHM-3M-D
	12′	L4-HMHM-12-D	4M	L4-HMHM-4M-D
	15′	L4-HMHM-15-D	5M	L4-HMHM-5M-D
	20′	L4-HMHM-20-D	6M	L4-HMHM-6M-D
	25′	L4-HMHM-25-D	8M	L4-HMHM-8M-D
	30′	L4-HMHM-30-D	10M	L4-HMHM-10M-D

D-CLASS SureFlex Cable Assemblies; Standard 1/2-Inch Cable with SureGuard weatherproofing

Description	Cable Length (feet)	Part Number	Cable Length (meters)	Part Number
4.3-10 Male to 7-16 DIN Male	3′	L4-HMDM-3-SGW-D	1M	L4-HMDM-1M-SGW-D
	4′	L4-HMDM-4-SGW-D	1.5M	L4-HMDM-1M5-SGW-D
	6′	L4-HMDM-6-SGW-D	2M	L4-HMDM-2M-SGW-D
	8′	L4-HMDM-8-SGW-D	2.5M	L4-HMDM-2M5-SGW-D
	10′	L4-HMDM-10-SGW-D	3M	L4-HMDM-3M-SGW-D
	12′	L4-HMDM-12-SGW-D	4M	L4-HMDM-4M-SGW-D
	15′	L4-HMDM-15-SGW-D	5M	L4-HMDM-5M-SGW-D
	20′	L4-HMDM-20-SGW-D	6M	L4-HMDM-6M-SGW-D
	25′	L4-HMDM-25-SGW-D	8M	L4-HMDM-8M-SGW-D
	30′	L4-HMDM-30-SGW-D	10M	L4-HMDM-10M-SGW-D
4.3-10 Male to 4.3-10 Male	3′	L4-HMHM-3-SGW-D	1M	L4-HMHM-1M-SGW-D
	4′	L4-HMHM-4-SGW-D	1.5M	L4-HMHM-1M5-SGW-D
	6′	L4-HMHM-6-SGW-D	2M	L4-HMHM-2M-SGW-D
	8′	L4-HMHM-8-SGW-D	2.5M	L4-HMHM-2M5-SGW-D
	10′	L4-HMHM-10-SGW-D	3M	L4-HMHM-3M-SGW-D
	12′	L4-HMHM-12-SGW-D	4M	L4-HMHM-3M5-SGW-D
	15′	L4-HMHM-15-SGW-D	5M	L4-HMHM-5M-SGW-D
	20′	L4-HMHM-20-SGW-D	6M	L4-HMHM-6M-SGW-D
	25′	L4-HMHM-25-SGW-D	8M	L4-HMHM-8M-SGW-D
	30′	L4-HMHM-30-SGW-D	10M	L4-HMHM-10M-SGW-D

SureFlex Cable Assemblies; Superflexible 1/4-Inch Cable

Description	Cable Length (feet)	Part Number	Cable Length (meters)	Part Number
4.3-10 Male to 4.3-10 Male	1′	F1A-HMHM-1-P	1M	F1A-HMHM-1M-P
	2′	F1A-HMHM-2-P	2M	F1A-HMHM-2M-P
	3′	F1A-HMHM-3-P	3M	F1A-HMHM-3M-P
	4′	F1A-HMHM-4-P	4M	F1A-HMHM-4M-P
	5′	F1A-HMHM-5-P	5M	F1A-HMHM-5M-P
	10′	F1A-HMHM-10-P	10M	F1A-HMHM-10M-P
	20′	F1A-HMHM-20-P	20M	F1A-HMHM-20M-P
4.3-10 Male to 4.3-10 Male Right Angle	1′	F1A-HMHR-1-P	1M	F1A-HMHR-1M-P
	2′	F1A-HMHR-2-P	2M	F1A-HMHR-2M-P
	3′	F1A-HMHR-3-P	3M	F1A-HMHR-3M-P
	4′	F1A-HMHR-4-P	4M	F1A-HMHR-4M-P
	5′	F1A-HMHR-5-P	5M	F1A-HMHR-5M-P
	10′	F1A-HMHR-10-P	10M	F1A-HMHR-10M-P
	20′	F1A-HMHR-20-P	20M	F1A-HMHR-20M-P
4.3-10 Male to 7-16 DIN Male	1′	F1A-HMDM-1-P	1M	F1A-HMDM-1M-P
	2′	F1A-HMDM-2-P	2M	F1A-HMDM-2M-P
	3′	F1A-HMDM-3-P	3M	F1A-HMDM-3M-P
	4′	F1A-HMDM-4-P	4M	F1A-HMDM-4M-P
	5′	F1A-HMDM-5-P	5M	F1A-HMDM-5M-P
	10′	F1A-HMDM-10-P	10M	F1A-HMDM-10M-P
	20′	F1A-HMDM-20-P	20M	F1A-HMDM-20M-P

SureFlex Cable Assemblies; Superflexible 1/4-Inch Cable *continued*

Description	Cable Length (feet)	Part Number	Cable Length (meters)	Part Number
7-16 DIN Male to 7-16 DIN Male Right Angle	1′	F1A-DMDR-1-P	1M	F1A-DMDR-1M-P
	2′	F1A-DMDR-2-P	2M	F1A-DMDR-2M-P
	3′	F1A-DMDR-3-P	3M	F1A-DMDR-3M-P
	4′	F1A-DMDR-4-P	4M	F1A-DMDR-4M-P
	5′	F1A-DMDR-5-P	5M	F1A-DMDR-5M-P
	10′	F1A-DMDR-10-P	10M	F1A-DMDR-10M-P
	20′	F1A-DMDR-20-P	20M	F1A-DMDR-20M-P

D-CLASS SureFlex Cable Assemblies Available:

D-Class Jumpers Order Configuration

F1-HMHM-X-D

D-Class with SureGuard Boot Order Configuration

F1-HMHM-*-W-D

**Stock and Return Conditions Apply to All 1/4" and 3/8" Assemblies

SureFlex Cable Assemblies; Superflexible 3/8-Inch Cable

Description	Cable Length (feet)	Part Number	Cable Length (meters)	Part Number
4.3-10 Male to 4.3-10 Male	1′	F2A-HMHM-1-P	1M	F2A-HMHM-1M-P
	2′	F2A-HMHM-2-P	2M	F2A-HMHM-2M-P
	3′	F2A-HMHM-3-P	3M	F2A-HMHM-3M-P
	4′	F2A-HMHM-4-P	4M	F2A-HMHM-4M-P
	5′	F2A-HMHM-5-P	5M	F2A-HMHM-5M-P
	10′	F2A-HMHM-10-P	10M	F2A-HMHM-10M-P
	20′	F2A-HMHM-20-P	20M	F2A-HMHM-20M-P
4.3-10 Male to 4.3-10 Male Right Angle	1′	F2A-HMHR-1-P	1M	F2A-HMHR-1M-P
	2′	F2A-HMHR-2-P	2M	F2A-HMHR-2M-P
	3′	F2A-HMHR-3-P	3M	F2A-HMHR-3M-P
	4′	F2A-HMHR-4-P	4M	F2A-HMHR-4M-P
	5′	F2A-HMHR-5-P	5M	F2A-HMHR-5M-P
	10′	F2A-HMHR-10-P	10M	F2A-HMHR-10M-P
	20′	F2A-HMHR-20-P	20M	F2A-HMHR-20M-P
4.3-10 Male to 7-16 DIN Male	1′	F2A-HMDM-1-P	1M	F2A-HMDM-1M-P
	2′	F2A-HMDM-2-P	2M	F2A-HMDM-2M-P
	3′	F2A-HMDM-3-P	3M	F2A-HMDM-3M-P
	4′	F2A-HMDM-4-P	4M	F2A-HMDM-4M-P
	5′	F2A-HMDM-5-P	5M	F2A-HMDM-5M-P
	10′	F2A-HMDM-10-P	10M	F2A-HMDM-10M-P
	20′	F2A-HMDM-20-P	20M	F2A-HMDM-20M-P

SureFlex Cable Assemblies; Superflexible 3/8-Inch Cable *continued*

Description	Cable Length (feet)	Part Number	Cable Length (meters)	Part Number
4.3-10 Male to 7-16 DIN Male Right Angle	1′	F2A-HMDR-1-P	1M	F2A-HMDR-1M-P
	2′	F2A-HMDR-2-P	2M	F2A-HMDR-2M-P
	3′	F2A-HMDR-3-P	3M	F2A-HMDR-3M-P
	4′	F2A-HMDR-4-P	4M	F2A-HMDR-4M-P
	5′	F2A-HMDR-5-P	5M	F2A-HMDR-5M-P
	10′	F2A-HMDR-10-P	10M	F2A-HMDR-10M-P
	20′	F2A-HMDR-20-P	20M	F2A-HMDR-20M-P
7-16 DIN Male to 7-16 DIN Male Right Angle	1′	F2A-DMDR-1-P	1M	F2A-DMDR-1M-P
	2′	F2A-DMDR-2-P	2M	F2A-DMDR-2M-P
	3′	F2A-DMDR-3-P	3M	F2A-DMDR-3M-P
	4′	F2A-DMDR-4-P	4M	F2A-DMDR-4M-P
	5′	F2A-DMDR-5-P	5M	F2A-DMDR-5M-P
	10′	F2A-DMDR-10-P	10M	F2A-DMDR-10M-P
	20′	F2A-DMDR-20-P	20M	F2A-DMDR-20M-P

D-CLASS SureFlex Cable Assemblies Available:

D-Class Jumpers Order Configuration

F2-HMHM-X-D

D-Class with SureGuard Boot Order Configuration

F2-HMHM-*-W-D

*Stock and Return Conditions Apply to All 1/4" and 3/8" Assemblies

Plenum cable assemblies

Part Number	Cable Length (feet)	Part Description
HL4RPV plenum cable assemblies		
H4-HMHM-10-P	10′	HL4-50 Plenum Rated 1/2″ Cable Assembly (Type 4.3-10 male / 4.3-10 male) 10′
H4-HMHM-20-P	20′	HL4-50 Plenum Rated 1/2″ Cable Assembly (Type 4.3-10 male / 4.3-10 male) 20′
H4-HMHM-30-P	30′	HL4-50 Plenum Rated 1/2″ Cable Assembly (Type 4.3-10 male / 4.3-10 male) 30′
H4-HMHM-40-P	40′	HL4-50 Plenum Rated 1/2″ Cable Assembly (Type 4.3-10 male / 4.3-10 male) 40′
H4-HMHM-50-P	50′	HL4-50 Plenum Rated 1/2″ Cable Assembly (Type 4.3-10 male / 4.3-10 male) 50′
H4-NMNM-10-P	10′	HL4-50 Plenum Rated 1/2″ Cable Assembly (N Type male / N Type male) 10′
H4-NMNM-20-P	20′	HL4-50 Plenum Rated 1/2″ Cable Assembly (N Type male / N Type male) 20′
H4-NMNM-30-P	30′	HL4-50 Plenum Rated 1/2″ Cable Assembly (N Type male / N Type male) 30′
H4-NMNM-40-P	40′	HL4-50 Plenum Rated 1/2″ Cable Assembly (N Type male / N Type male) 40′
H4-NMNM-50-P	50′	HL4-50 Plenum Rated 1/2″ Cable Assembly (N Type male / N Type male) 50′
H4-NMNM-60-P	60′	HL4-50 Plenum Rated 1/2″ Cable Assembly (N Type male / N Type male) 60′
PTS1 plenum cable assemblies		
PTS1P-HMHM-10-P	10′	PTS1-50-P Plenum Rated 1/4″ Cable Assembly (Type 4.3-10 male / 4.3-10 male) 10′
PTS1P-HMHM-20-P	20′	PTS1-50-P Plenum Rated 1/4″ Cable Assembly (Type 4.3-10 male / 4.3-10 male) 20′
PTS1P-HMHM-30-P	30′	PTS1-50-P Plenum Rated 1/4″ Cable Assembly (Type 4.3-10 male / 4.3-10 male) 30′
PTS1P-HMHM-40-P	40′	PTS1-50-P Plenum Rated 1/4″ Cable Assembly (Type 4.3-10 male / 4.3-10 male) 40′
PTS1P-HMHM-50-P	50′	PTS1-50-P Plenum Rated 1/4″ Cable Assembly (Type 4.3-10 male / 4.3-10 male) 50′
PTS1P-NMNM-10-P	10′	PTS1-50-P Plenum Rated 1/4″ Cable Assembly (N Type male / N Type male) 10′
PTS1P-NMNM-20-P	20′	PTS1-50-P Plenum Rated 1/4″ Cable Assembly (N Type male / N Type male) 20′
PTS1P-NMNM-30-P	30′	PTS1-50-P Plenum Rated 1/4″ Cable Assembly (N Type male / N Type male) 30′
PTS1P-NMNM-40-P	40′	PTS1-50-P Plenum Rated 1/4″ Cable Assembly (N Type male / N Type male) 40′
PTS1P-NMNM-50-P	50′	PTS1-50-P Plenum Rated 1/4″ Cable Assembly (N Type male / N Type male) 50′
PTS1P-NMNM-60-P	60′	PTS1-50-P Plenum Rated 1/4″ Cable Assembly (N Type male / N Type male) 60′

Contact your CommScope representative for longer lenghts.

Plenum cable assemblies *continued*

Part Number	Cable Length (feet)	Part Description
PTS2 Plenum cable assemblies		
PTS2P-HMHM-10-P	10′	PTS2-50-P Plenum Rated 3/8″ Cable Assembly (Type 4.3-10 male / 4.3-10 male) 10′
PTS2P-HMHM-20-P	20′	PTS2-50-P Plenum Rated 3/8″ Cable Assembly (Type 4.3-10 male / 4.3-10 male) 20′
PTS2P-HMHM-30-P	30′	PTS2-50-P Plenum Rated 3/8″ Cable Assembly (Type 4.3-10 male / 4.3-10 male) 30′
PTS2P-HMHM-40-P	40′	PTS2-50-P Plenum Rated 3/8″ Cable Assembly (Type 4.3-10 male / 4.3-10 male) 40′
PTS2P-HMHM-50-P	50′	PTS2-50-P Plenum Rated 3/8″ Cable Assembly (Type 4.3-10 male / 4.3-10 male) 50′
PTS2P-NMNM-10-P	10′	PTS2-50-P Plenum Rated 3/8″ Cable Assembly (N Type male / N Type male) 10′
PTS2P-NMNM-20-P	20′	PTS2-50-P Plenum Rated 3/8″ Cable Assembly (N Type male / N Type male) 20′
PTS2P-NMNM-30-P	30′	PTS2-50-P Plenum Rated 3/8″ Cable Assembly (N Type male / N Type male) 30′
PTS2P-NMNM-40-P	40′	PTS2-50-P Plenum Rated 3/8″ Cable Assembly (N Type male / N Type male) 40′
PTS2P-NMNM-50-P	50′	PTS2-50-P Plenum Rated 3/8″ Cable Assembly (N Type male / N Type male) 50′
PTS2P-NMNM-60-P	60′	PTS2-50-P Plenum Rated 3/8″ Cable Assembly (N Type male / N Type male) 60′

Contact your CommScope representative for longer lenghts.

HELIAX Small Cell Corrugated Cable Products Portfolio

Part Number		Description	Rating
LSF2-50		3/8″ Superflexible Foam Coaxial Cable, corrugated copper, black PE jacket	Standard
PTS1-50-P		1/4″ Superflexible High Power, High Temperature, 50 Ohm, white FR-PVC jacket	Plenum
PTS2-50-P		3/8″ Superflexible High Power, High Temperature, 50 Ohm, white FR-PVC jacket	Plenum
FSJ1-50A		1/4″ Superflexible Low Density Foam, Black PE Jacket	Standard
FSJ2-50		3/8″ Superflexible Foam, Black PE Jacket	Standard
LDF1-50		1/4″ Low Density Foam, black PE Jacket	Standard
LDF2-50		3/8″ Low Density Foam, black PE Jacket	Standard

FSJ1-50A SureFlex® Small Cell Jumper

Description	Cable Length (feet)	Part Number	Description	Cable Length (feet)	Part Number
NEX 10 Male to NEX 10 Male	2′	F1A-XMXM-2-P	NEX10 Male to 4.3-10 Male Right Angle	2′	F1A-XMHR-2-P
	4′	F1A-XMXM-4-P		4′	F1A-XMHR-4-P
	6′	F1A-XMXM-6-P		6′	F1A-XMHR-6-P
	8′	F1A-XMXM-8-P		8′	F1A-XMHR-8-P
	10′	F1A-XMXM-10-P		10′	F1A-XMHR-10-P
	12′	F1A-XMXM-12-P		12′	F1A-XMHR-12-P
	14′	F1A-XMXM-14-P		14′	F1A-XMHR-14-P
	16′	F1A-XMXM-16-P		16′	F1A-XMHR-16-P
	18′	F1A-XMXM-18-P		18′	F1A-XMHR-18-P
	20′	F1A-XMXM-20-P		20′	F1A-XMHR-20-P
	22′	F1A-XMXM-22-P		22′	F1A-XMHR-22-P
NEX10 Male to 4.3-10 Male	2′	F1A-XMHM-2-P			
	4′	F1A-XMHM-4-P			
	6′	F1A-XMHM-6-P			
	8′	F1A-XMHM-8-P			
	10′	F1A-XMHM-10-P			
	12′	F1A-XMHM-12-P			
	14′	F1A-XMHM-14-P			
	16′	F1A-XMHM-16-P			
	18′	F1A-XMHM-18-P			
	20′	F1A-XMHM-20-P			
	22′	F1A-XMHM-22-P			

Sureflex Cable Assemblies with new LSF2 cable

Description	Cable Length (feet)	Part Number	Cable Length (meters)	Part Number
4.3-10 Male to 4.3-10 Male	3′	LS2-HMHM-3-D	1M	LS2-HMHM-1M-D
	5′	LS2-HMHM-5-D	3M	LS2-HMHM-3M-D
	7′	LS2-HMHM-7-D	5M	LS2-HMHM-5M-D
	10′	LS2-HMHM-10-D	7M	LS2-HMHM-7M-D
	15′	LS2-HMHM-15-D	10M	LS2-HMHM-10M-D
	20′	LS2-HMHM-20-D	15M	LS2-HMHM-15M-D
	25′	LS2-HMHM-25-D	20M	LS2-HMHM-20M-D
	30′	LS2-HMHM-30-D	25M	LS2-HMHM-25M-D
	35′	LS2-HMHM-35-D	30M	LS2-HMHM-30M-D
	40′	LS2-HMHM-40-D	35M	LS2-HMHM-35M-D
	45′	LS2-HMHM-45-D	40M	LS2-HMHM-40M-D
NEX 10 to 4.3-10 Male	variable	LS2-XMHM-*-D		

4.3-10 Cable Products Portfolio

Connectors (Field Fit)

Part Number	Description
F4HM-D	CONNECTOR: FSJ4-50 4.3-10 STRAIGHT MALE
L4HM-D	CONNECTOR: LDF4-50 4.3-10 STRAIGHT MALE
A5HF-D	CONNECTOR: AVA5-50 & AVA5-50FX 4.3-10 STRAIGHT FEMALE
A5HM-D	CONNECTOR: AVA5-50 & AVA5-50FX 4.3-10 STRAIGHT MALE
L5HM-S	CONNECTOR: LDF5 4.3-10 STRAIGHT MALE
L5HF-S	CONNECTOR: LDF5 4.3-10 STRAIGHT FEMALE
A6HF-S	CONNECTOR: AVA6-50 4.3-10 STRAIGHT FEMALE
A6HM-S	CONNECTOR: AVA6-50 4.3-10 STRAIGHT MALE
A7HF-S	CONNECTOR: AVA7-50 4.3-10 STRAIGHT FEMALE
A7HM-S	CONNECTOR: AVA7-50 4.3-10 STRAIGHT MALE
F1HM-D	*check with CommScope for availablity
F1HR-D	
F2HM-D	

Tools and Accessories

Part Number	Description
SMALL-M-CAPKIT	Male End Cap Assembly for 4.3-10 series and 4.1-9.5 Din, work torque 5-8N/M
SMALL-CAPKIT	Female End Cap Assembly for 4.3-10 series and 4.1-9.5 Din, work torque 5-8N/M
TT-4310	Low-Profile polymer 4.3-10 tightening/torque tool for small spaces
TW-4310	Standard torque wrench 4.3-10
CPT-L4-D	Automated cable preparation tool (compatible with L4HM-D connectors)
CPT-F4-D	Automated cable preparation tool (compatible with F4HM-D connectors)
MCPT-A5-D	Manual cable preparation tool (compatible with A5HF-D, A5HM-D)
MCPT-114158-S	Manual cable preparation tool (compatible with A6HF/HM-D & A7HF/HM-D)

4.3-10 Cable Products Portfolio

Bulk Cables

Part Number	Nominal Size	Loss per 100ft @ 3.5GHz, dB	Loss per 100ft @ 5GHz, dB	Bend Radius, inches
FSJ1-50A	1/4"	11.83	15.77	1
FSJ2-50	3/8"	8.23	11.10	1
LDF1-50	1/4"	8.38	11.27	1.5
LDF2-50	3/8"	7.12	9.59	1.6
LSF2-50	3/8"	7.089	8.828	1

Adapters

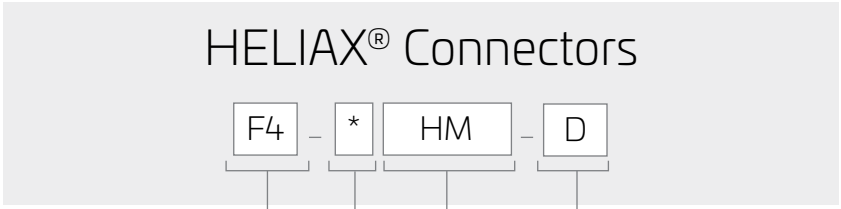
Part Number	Description
TA-DFDF	ADAPTOR: 7/16 DIN FEMALE TO 7/16 DIN FEMALE
TA-DFDR	ADAPTOR: 7/16 DIN FEMALE R/A TO 7/16 DIN MALE
TA-DFHM	ADAPTOR: 7/16 DIN FEMALE TO 4.3-10 MALE
TA-DMDF	ADAPTOR: 7/16 DIN MALE TO 7/16 DIN FEMALE
TA-DMDM	ADAPTOR: 7/16 DIN MALE TO 7/16 DIN MALE
TA-DMHF	ADAPTOR: 7/16 DIN MALE TO 4.3-10 FEMALE
TA-DMHM	ADAPTOR: 7/16 DIN MALE TO 4.3-10 MALE
TA-DMHM-K	ADAPTOR: 7/16 DIN MALE TO 4.3-10 MALE, HAND TORQUE
TA-DMKF	ADAPTOR:7/16 DIN MALE TO 4.1/9.5 FEMALE
TA-DMKM	ADAPTOR: 7/16 DIN MALE TO 4.1/9.5 MALE
TA-NFDF	ADAPTOR: N FEMALE TO 7/16 DIN FEMALE
TA-NFDM	ADAPTOR: N MALE TO 7/16 DIN MALE
TA-NFHF	ADAPTOR: N FEMALE TO 4.3-10 FEMALE
TA-NFHM	ADAPTOR: N FEMALE TO 4.3-10 MALE
TA-NFKF	ADAPTOR: N FEMALE TO 4.1/9.5 FEMALE
TA-NFKM	ADAPTOR: N FEMALE TO 4.1/9.5 MALE
TA-NFNF	ADAPTOR: N FEMALE TO N FEMALE
TA-NMDF	ADAPTOR: N MALE TO 7/16 DIN FEMALE
TA-NMDM	ADAPTOR: N MALE TO 7/16 DIN MALE
TA-NMHF	ADAPTOR: N MALE TO 4.3-10 FEMALE
TA-NMNM	ADAPTOR: N MALE TO N MALE
TA-NRNF	ADAPTOR: N MALE R/A TO N FEMALE
TA-HFHR	ADAPTOR: 4.3-10 FEMALE TO 4.3-10 MALE R/A

4.3-10 Field-installable connector

Part Number	Cable Prep Tool for 4310
F1HM-D	CPT-F1-D
F2HM-D	CPT-F2-D
L1HM-D	CPT-L1-D
L2HM-D	N/A

HELIAX® Connectors

Model Number Nomenclature Chart



Cable Type

F4	FSJ4-50B SUPERFLEX 1/2"
L4	LDF4-50A STANDARD FLEX 1/2"
A5	AVA5-50, AVA5-50FX
A6	AVA6-50
78	7/8" COAX
114	1 1/4" COAX
158	1 5/8" COAX
F1	FSJ1-50A SUPERFLEX 1/4"
F2	FSJ2-50 SUPERFLEX 3/8"
L1	LDF1-50 STANDARD FLEX 1/4"
L2	LDF2-50 STANDARD FLEX 3/8"

Wildcard A

EZ	EZ FIT
B	BULKHEAD FEMALE
P	PLATED (OLD NOMENCLATURE)
T	TRI-METAL PLATED (OLD NOMENCLATURE)

Connector Type

HM	4.3-10 STRAIGHT MALE
HR	4.3-10 RIGHT ANGLE MALE
DM	7-16 DIN STRAIGHT MALE
DR	7-16 DIN RIGHT ANGLE MALE
KM	4.1-9.5 DIN STRAIGHT MALE
HF	4.3-10 STRAIGHT FEMALE
DF	7-16 DIN STRAIGHT FEMALE

Wildcard B

-D	D-CLASS
-PSA OR -PS	POSITIVE STOP
-C	CAPTIVATED CENTER CONTACT
-H	HEX COUPLING NUT
-HC	HEX COUPLING NUT CAPTIVATED CENTER CONTACT
-BH	BULKHEAD FEMALE
-BHC	BULKHEAD FEMALE CAPTIVATED CENTER CONTACT
HMP	PUSH / PULL

Tools

Description	Used with Cable Type	Connector Type	Part Number
Manual Cable Preparation Tools Prepares coaxial cable for connector attachment	1/2″ cable; FSJ4-50B	F4-V2 Series connectors only	MCPT-1412
	1/2″ cable; LDF4-50A	LDF4 Positive Stop® (-PS & -PSA) only	MCPT-L4
	7/8″ cable; AVA5-50/AVA5-50FX	A5 Series connectors only	MCPT-A5-D
	1 1/4″ cable AVA6-50	A6 -S eries	MCPT-114158-S
	1 5/8″ cable AVA7-50	A7 -S eries	MCPT-114158-S
Automated Cable Preparation Tools Used with standard drill to prepare coaxial cable for connector attachment	1/2″ cable; LDF4-50A	LDF4 Positive Stop (-PS & -PSA) only	CPT-12U
		LDF4 Connectors ending in -D only	CPT-L4-D
	1/2″ cable; FSJ4-50B	F4-V2 Series connectors only	CPT-F4B
		FSJ4 Connectors ending in -D only	CPT-F4-D
	1-1/4″ cable; AVA6-50	114 EZfit Series connectors only	A6-EZPT
	1-5/8″ cable; AVA7-50	158 EZfit Series connectors only	A7-EZPT
EZfit® Manual Cable Preparation Tools	7/8″ cable; AVA5-50	78 EZfit Series connectors only	78-HPT
EZfit Automated Cable Preparation Tools	7/8″ cable; AVA5-50/AVA5-50FX	EZfit Series connectors only	A5FX-EZPT
	1-1/4″ cable; AVA6-50	114 EZfit Series connectors only	A6-EZPT
	1-5/8″ cable; AVA7-50	158 EZfit Series connectors only	A7-EZPT

Manual Tool (MCPT-1412)

Automatic Tool (CPT-)

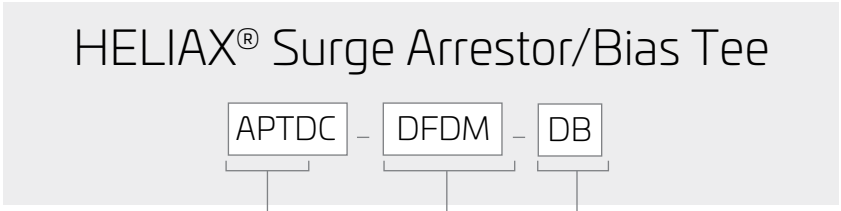
Tightening Tool (TT-4310)

Description	Used with Connector Type	Part Number
Connector Torque Tools		
Coupling nut tightening tool	SureFlex 4.3-10 straight male jumpers	TT-4310
Torque wrenchs	4.3-10 connectors	TW-4310
	7-16 DIN connectors	244377
	Type N connectors	244379

Torque Wrench (TW-4310)

HELIAX® Surge Arrestor/Bias Tee

Model Number Nomenclature Chart



Arrestor/Bias Tee Indicator

ABT	ANDREW BIAS TEE
APT	ANDREW SURGE ARRESTOR (T-SERIES)
APG	ANDREW SURGE ARRESTOR (GAS-TUBE)
ADCB	ANDREW DC BLOCK
APTDC	ANDREW SUREGE ARRESTOR (T-SERIES DC PASSING)

Interfaces Examples:

BDFDM	BULKHEAD DIN FEMALE/DIN MALE
BDFDF	BULKHEAD DIN FEMALE/DIN FEMALE
DFDF	DIN FEMALE/DIN FEMALE
DFDM	DIN FEMALE/DIN MALE
NFNM	N FEMALE/N MALE
NFNF	N FEMALE/N FEMALE
BNFNM	BULKHEAD N FEMALE/N MALE
BNFNF	BULKHEAD N FEMALE/N FEMALE
HFHM	4.3-10 FEMALE AND 4.3-10 MALE
HMHF	4.3-10 MALE AND 4.3-10 FEMALE

Wildcard A

DB	DUAL BAND
DBT	DUAL BAND (CYLINDRICAL BODY)
DBW	DUAL BAND (WIDE)
090	90V GASTUBE
350	350V GASTUBE
ADBA	PASSES AISG 2.1 & DC

Replacement Blade Kits

Description	Part Number
Replacement Blade Kits For cable preparation tools	
Use with CPT-F4B & CPT-F4-D only	CPT-BKSF4
Use with CPT-12U & CPT-L4-D only	CPT-BK12U
Use with A5FX-EZPT only	BK-A6A7EZPT-JC
Use with A6-EZPT only	BK-A6A7EZPT-JC
Use with A7-EZPT only	BK-A6A7EZPT-JC

Protective Cap Kits

Description	Part Number
Protective Cap Kits Male interface, mates on female connector	
4.3-10 female end cap	SMALL-CAPKIT
7-16 DIN female end cap	DF-CAPKIT
4.3-10 Male end cap	SMALL-M-CAPKIT
Nex10 female end cap	NEX10-CAPKIT

Surge Arrestors

Description	Part Number
Dual Band Bias Tee Surge Arrestors	
DIN-F/DIN-M	ABT-DFDM-ADBH
DIN-M/DIN-F	ABT-DMDF-ADBH
Arrestor Plus® LTE Band Quarterwave Surge Arrestor	
DIN-F Bulkhead/DIN-M	APTDC-BDFDM-DB
Quarterwave Surge Arrestor 806-2170MHz, with interface types 4.3-10 Female and 4.3-10 Male	APG-HFHM
Quarterwave Surge Arrestor 695-2700MHz, with interface types 4.3-10 Female and 4.3-10 Male	APT-HFHM

SMALL-CAPKIT

Grounding Kits

Description	Grounding Lead Wire	Lug	Part Number
Grounding Kits			
For 1/4″ and 3/8″ Coaxial Cable	24″	Attached	223158-2
For 1/2″ Coaxial Cable	24″	Attached	SG12-06B2A
	48″	Field Attach	SG12-12B2U
For 7/8″ Coaxial Cable	24″	Attached	SG78-06B2A
	48″	Field Attach	SG78-12B2U
For 1-1/4″ Coaxial Cable	24″	Attached	SG114-06B2A
	48″	Field Attach	SG114-12B2U
For 1-5/8″ Coaxial Cable	24″	Attached	SG158-06B2A
	48″	Field Attach	SG158-12B2U
Universal Grounding Kit For 1/2″ through 1-5/8″ corrugated and smoothwall coaxial cable, elliptical waveguide 63 through 180 and FiberFeed Hybrid cables			UG12158-15B4-T
Small Universal Grounding Kit			GK-SUNV

Grounding Kit
(SG12-06B2A)

Universal Grounding Kit

New Adjustable Cable Hangers and PIM-Guard Accessories

Today's cell tower tops are extremely complex. One tower may have hundreds of jumper cables for multiple active and passive components. Evolving antenna technology also complicates site architecture. The difficulty in properly installing new cables into this crowded environment increases dramatically. SnapStak® Plus steel and SnapTak PIM-guard adjustable hangers along with PIM-guard accessories simplify tower-top cable management and installation, while ensuring exceptional performance and durability.

Adjustable PIM-Guard Hangers	Cable range, min to max, mm (in)
Adjustable Cable Hangers	
SSH-710	7.1–10.0 (0.280–0.394)
SSH-1014	10.1–14.0 (0.398–0.551)
SSH-1416	14.1–16.0 (0.555–0.630)
Adjustable Steel Hangers	**Cable range, min to max, mm (in)**
SSH-XL	36-51 (1.4-2.0)
SSH-L	25-36 (1.0-1.4)
SSH-M	14-25 (0.6-1.0)

SnapTak Adjustable PIM-Guard Hangers

SnapStak Plus Adjustable Steel Hangers

Part Number	Description
PIM-Guard Accessories	
SA-1C	PIM-free composite snap-in adapter, 1 position, kit of 10
CT-460-100	Cable tie, heat stabilized, weather resistant, 460 mm length, 100 pcs
CB-12-50	Cable banding, bulk, 1/2-inch x 50-foot reel
CB-LH-25	Locking heads for cable banding number CB-12-50, 25 pcs
CB-IT	Installation tool for cable banding CB-12-50

PIM-Free Adapter

Cable Tie

Cable Banding

Locking Heads for cable banding

Installation Tool for cable banding

Hangers

Description	Part Number
Butterfly Hanger (10 pieces)	
For 7/8″ coaxial cable and elliptical waveguide 85 and 90	42396A-5
For 1/2″ or 3/8″ coaxial cable and elliptical waveguide 180, 220, and 240	43211A
For 1 1/4″ coaxial cable	423964-1
For 1 5/8″ coaxial cable and EW-64 wave guide	423964-2
Single click-on hanger kit (1 each)	
Click-on hanger kits with hardware (1 ea)	
1/2″ Single click-on hanger kits with hardware 3 stack (1 ea)	SHK-12-3-P
7/8″ Single click-on hanger kits with hardware 3 stack (1 ea)	SHK-78-3-P
1 1/4″ Single click-on hanger kits with hardware 3 stack (1 ea)	SHK-114-3-P
1 5/8″ Single click-on hanger kits with hardware 3 stack (1 ea)	SHK-158-3-P
SnapStak® Hanger (10 pieces)	
For 1/2″ coaxial cable	SSH-12
For 7/8″ coaxial cable	SSH-78
For 1-1/4″ coaxial cable	SSH-114
For 1-5/8″ coaxial cable	SSH-158
For 36-51mm Hybrid power and coaxial cables	SSH-XL

Single Block Hanger (BHS-114)

SnapStak Hanger (SSH-12)

Butterfly Hanger (42396A-5)

Installation Accessories and Tools

Description	Part Number
Adapters	
Angle, standard 3/8″ tapped hole	31768A
Angle, universal snap-in, 3/4″ hole	UA-3
3-way snap-in, stand-off for 2″-3″ round members	STS3-23
3-way, stand-off for 1.5″-3″ round members	TTS3-153
SnapSeal™ Entry Cushions	
4 holes for 1/2″ coaxial cable	SEC-412
3 holes for 7/8″ coaxial cable	SEC-378
1 hole for 1-5/8″ coaxial cable	SEC-1158
Lace-Up Hoisting Grips	
For 7/8″ coaxial cable, elliptical waveguide 77, and HELIAX FiberFeed Hybrid cable	19256B
For 1-5/8″ coaxial cable and elliptical waveguide 44, 52, and 63	24312A
For 1/2″ coaxial cable	43094
for 1 1/4″ coaxial cable	29961
Support Hoisting Grips	
For 1/2″ cable	L4SGRIP
For 7/8″ coaxial cable	L5SGRIP
For 1-1/4″ coaxial cable	L6SGRIP
For 1-5/8″ coaxial cable	L7SGRIP
Tape and Weatherproofing Kit	
Black self-fusing tape, 15 feet	FT-TB
Weatherproofing kit for connectors and splice Includes (6) 2-1/2″ butyl rubber rolls and (2) 3/4″ and (1) 2″ PVC tape rolls	221213

Adapter
(UA-3)

Adapter
(STS3-23)

SnapSeal Entry Cushions
(SEC-378)

Lace-Up Hoisting Grip
(19256B)

Support Hoisting Grip
(L5SGRIP)

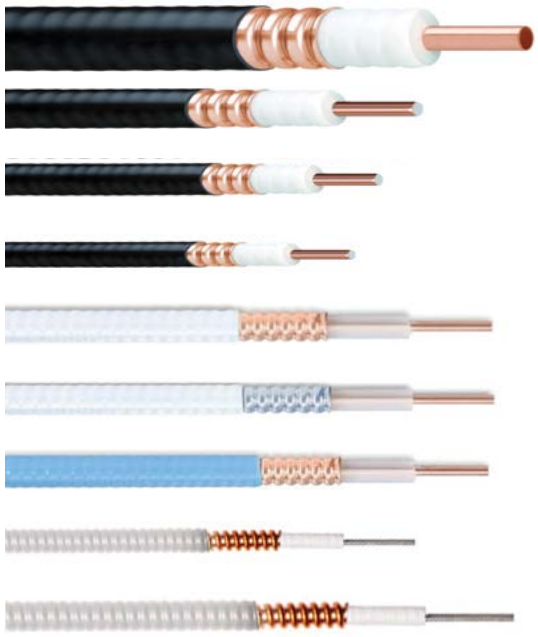
Weatherproofing Kit
(221213)

HELIAX RF – Coaxial Cable

CommScope offers a full portfolio Indoor Riser & Plenum, and Outdoor Cables

- Riser identified with RK nomenclature and ETL CMR Rating
- Plenum identified with RPV nomenclature and ETL CMP Rating
- CommScope connectors- Compatible with Indoor and Outdoor cables
- AVA5-50FX, and AVA5RK-50FX are not available in North America.

Description	Part Number
Feeders 7/8"- 1 5/8"	AVA5-50, AVA5RK-50, AVA5-50FX, AVA5RK-50FX, AVA6-50 AVA6-50, AVA6RK-50, AVA7-50 AVA7RK-50
½" Feeder/Jumper	LDF4-50A, LDF4RK-50A, FSJ4-50B, FSJ4RK-50B
3/8" Feeder/Jumper	LDF2RK-50, LSF2-50, FSJ2-50, FSJ2RK-50
1/4" Feeder/Jumper	LDF1-50, LDF1RK-50, FSJ1-50A, FSJ1RK-50B
1/2" Plenum	HL4RPV-50 (Copper) *Available with black and gray jacketing and qualified in the CBRS and LAA bands
1/2" Plenum	AL4RPV-50 (Aluminum) *Available with red jacketing and qualified in the CBRS and LAA bands
1/2" Plenum	HL4RPV-50B (Blue Jacket)
1/4" Plenum	PTS1-50-P (Plenum)
3/8" Plenum	PTS2-50-P (Plenum)



HELIAX® COAX

Model Number Nomenclature Chart

Cable Type

FSJ	SUPERFLEX
LDF	STANDARD FLEX (LOW DENSITY FOAM)
AVA	FEEDER (ANDREW VIRTUAL AIR)
HL	PLENUM (COPPER)

Wild Card A: Examples

RK	FIRE RETARDANT, ZERO HALOGEN RISER
RPV	FIRE RETARDANT, PLENUM
P	PREMIUM LOW VSWR

Wildcard B

-42*	LOW VSWR (450-680, 680-800, 806-960, 1700-2200 MHz)
-43, -43B*	LOW VSWR (710-806, 806-970, 1420-1530, 1700-2180, 2535-2655 MHz)
-NHR	ZERO HALOGEN RISER RATED
-E1	ERICSSON SPECIAL DETAIL

Size: Examples

1	1/4 INCH
2	3/8 INCH
4	1/2 INCH
5	7/8 INCH
6	1-1/4 INCH
7	1-5/8 INCH

Ohms

50	50 OHMS

*Not available in North America

LDF4-50A

HELIAX® Low Density Foam Coaxial Cable, corrugated copper, 1/2 in, black PE jacket

Cable manufactured between 1971–Present

Cable size	Connector	Connector status	Replacement	Status	Grounding kit prep tool	Grounding kit tool replacement blade kit	Automated tool	Automated tool blade kits	Manual tool	Blade kits	Flare tool
1/2" LDF4-50A LDF4RK-50A 520092302	L4PDM-C	Obsolete	L4TDM-PSA	Active	GKT-L4SG	GBK-SG1278	CPT-L4ARC1 works with listed connectors	CPT-BKS1 CPT-BK12U works with listed connectors	MCPT-L4 works with listed connectors	MCPT-BK4 works with listed connectors	224363 works with listed connectors
	L4TDM-PS	Obsolete	L4TDM-PSA	Active							
	L4TDF-PS	Obsolete	L4TDF-PSA	Active							
	L4PDR-C	Obsolete	L4DR-PS	Active							
	L4PDF-BHC	Active	NA	NA							
	L4TNF-PSA	Active	NA	NA							
	L4TNM-PSA	Active	NA	NA							
	L4HM-D	Active	NA	NA			CPT-L4-D		NA	NA	NA
	L4HMP-D	Active	NA	NA							

Additional notes

- Note only connectors listed in the connector or replacement columns will accommodate the cable
- **Positive stop connectors require no special tools or torque wrenches, to tighten the positive connector turn the back nut, not the front body**
- Blade kits are available for the tools contact CommScope
- Positive stop connectors will not accommodate smooth wall aluminium cable

Part Number	Installation Bulletin
L4PDM-C	101801
L4TDM-PS	7615905
L4TDF-PS	237903
L4PDR-C	101629
L4PDF-BHC	101627
L4TDM-PSA	7615905
L4TDF-PSA	7615905

Part Number	Installation Bulletin
L4DR-PS	237903
CPT-L4ARC1	237562
MCPT-L4	237647
L4HM-D	7719049
L4HMP-D	7769948
CPT-L4-D	237562

FSJ4-50B

FSJ4-50B, HELIAX® Superflexible Foam Coaxial Cable, corrugated copper, 1/2 in, black PE jacket

Cable manufactured between 1978–Present

Cable size	Connector	Connector status	Automated tool	Manual tool	Automated tool blade kits	Manual blade kits
1/2″ FSJ4-50B FSJ4RK-50B	F4DR-C	Active	CPT-F4B works with listed connectors	MCPT-1412 works with listed connectors	CPT-BKSF4 works with listed connectors	209874 works with listed connectors
	F4NR-HC	Active				
	F4PDF-C	Active				
	F4PDMV2-C	Active				
	F4PNMV2-HC	Active				
	F4PNF-C	Active				
	F4HM-D	Active	CPT-F4-D	NA		NA
	F4HMP-D	Active				

Additional notes

- Note only connectors listed in the connector column will accommodate the cable
- Blade kits are available for the tools contact CommScope
- Check for installation video online
  Manual tool: https://www.youtube.com/watch?v=FhDM-nyXYJk
  Automated tool: https://www.youtube.com/watch?v=ZxBZD2gfOG4

Part Number	Installation Bulletin
F4DR-C	237556
F4NR-HC	237556
F4PDF-C	101597
F4PDMV2	237556
F4PNMV2-HC	237554
F4PNF-C	237270

Part Number	Installation Bulletin
CPT-F4B	Bulletin Online
MCPT-1412	237703
Special publication	SP50262-A
F4HM-D	7718500
F4HMP-D	7769947
CPT-F4-D	237562

AVA5-50

AVA5-50, HELIAX® Andrew Virtual Air™ Coaxial Cable, corrugated copper, 7/8 in, black PE jacket

Cable manufactured between 2004–Present

Cable size	Connector	Connector status	Grounding kit prep tool	Grounding kit tool replacement blade kit	Automated tool	Automated tool replacement blade kits	Manual tool
7/8″ AVA5-50 AVA5RK-50	78EZDF	Active	GKT-78SG	GBK-SG1278	A5FX-EZPT works with listed connectors	BK-A5FXEZPT-JC	78-HPT works with listed connectors
	78EZDM	Active					
	78EZNM	Active					
	78EZNF	Active					
	A5HF-D	Active			NA	NA	MCPT-A5-D
	A5HM-D	Active					

Additional notes

- Note only connectors listed in the connector column will accommodate the cable
- Check for installation video online
  Manual and Automated tools: https://www.youtube.com/watch?v=5_NlDslWBaI
- **Positive stop connectors will not accommodate AVA5-50FX cable**
- AL5 or L5 connectors will not accommodate AVA5-50FX cable
- **EZFIT connectors require a torque wrench—hold the back nut and turn the front**

Part Number	Installation Bulletin
78EZDF	7593458 and 7580829
78EZDM	7593458 and 7580830
78EZNM	7593458 and 7580831
78EZNF	7593458 and 7580832
A5DF-D	7711012
A5DM-D	7711012

AVA6-50

AVA6-50, HELIAX® Andrew Virtual Air™ Coaxial Cable, corrugated copper, 1-1/4 in, black PE jacket

Premium cable

Cable manufactured between 2004–Present

Cable size	Connector	Connector status	Grounding kit prep tool	Grounding kit tool replacement blade kit	Automated tool	Automated tool blade kits	Manual tool
1 1/4" AVA6-50 AVA6RK	AL6DF-PSA	Active	GKT-114SG	GBK-SG114158	CPT-114U works with listed connectors	CPT-BK6 works with listed connectors	NA
	AL6DM-PSA	Active					
	114EZDF	Active			A6-EZPT works with listed connectors	BK-A6A7EZPT-JC	
	114EZDM	Active					
	114EZNM	Active					
	114EZNF	Active					
	A6HM-S	Active			NA	NA	MCPT-114158-S
	A6HF-S	Active					

Additional notes

- Note only connectors listed in the connector column will accommodate the cable
- Positive stop connectors require no special tools or torque wrenches, to tighten the positive connector turn the back nut, not the front body
- EZFIT connectors require a torque wrench—hold the back nut and turn the front

Part Number	Installation Bulletin
AL6DF-PSA	7604922
AL6DM-PSA	7604922
CPT-114U	SP50262-A
114EZDF	7593458 and 7580829
114EZDM	7593458 and 7580829
114EZNM	7593458 and 7580829
114EZNF	7593458 and 7580829
A6DF-S	7717148
A6DM-S	7717148
MCPT-A6A7-S	7717172

AVA7-50

AVA7-50, HELIAX® Andrew Virtual Air™ Coaxial Cable, corrugated copper, 1-5/8 in, black PE jacket

Premium cable

Cable manufactured between 2004–Present

Cable size	Connector	Connector status	Grounding kit prep tool	Grounding kit tool replacement blade kit	Automated tool	Automated tool blade kits	Manual tool
1 5/8″ AVA7-50 AVA7RK-50	AL7DF-PSA	Active	GKT-158SG	GBK-SG114158	CPT-158U works with listed connectors	CPT-BK7 works with listed connectors	NA
	AL7DM-PSA	Active					
	AL7NM-PSA	Active					
	AL7NF-PSA	Active					
	158EZDF	Active			A7-EZPT works with listed connectors	BK-A6A7EZPT-JC	
	158EZDM	Active					
	158EZNM	Active					
	158EZNF	Active					
	A7HF-S	Active			NA	NA	MCPT-114158-S
	A7HM-S	Active					

Additional notes

- Note only connectors listed in the connector column will accommodate the cable
- Positive stop connectors require no special tools or torque wrenches,to tighten the positive connector turn the back nut, not the front body
- EZFIT connectors require a torque wrench—hold the back nut and turn the front

Part Number	Installation Bulletin
AL7DF-PSA	7546530
AL7DM-PSA	7546530
AL7NM-PSA	7546530
AL7NF-PSA	7546530
CPT-158U	SP50262-A
158EZDF	7593458 and 7580829

Part Number	Installation Bulletin
158EZDM	7593458 and 7580829
158EZNM	7593458 and 7580829
158EZNF	7593458 and 7580829
A7DF-S	7717149
A7DM-S	7717149
MCPT-A6A7-S	7717172

Fire Retardant Cable Products Portfolio

Part number		Description	Rating
AL4RPV-50-500		AL4RPV-50, HELIAX® Plenum Rated Air Dielectric Coaxial Cable, corrugated aluminum, 1/2 in, off white PVC jacket, 500 feet	Plenum
AL4RPV-50R-500		AL4RPV-50-500, HELIAX® Plenum Rated Air Dielectric Coaxial Cable, corrugated aluminum, 1/2 in, Red 500ft PVC jacket	Plenum
AL4RPV-50-1000-B		AL4RPV-50, HELIAX® Plenum Rated Air Dielectric Coaxial Cable, corrugated aluminum, 1/2 in, off white PVC jacket, 1000 feet	Plenum
AL4RPV-50R-1000B		AL4RPV-50R-1000B, HELIAX® Plenum Rated Air Dielectric Coaxial Cable, corrugated aluminum, 1/2 in, Red 1000ft PVC jacket	Plenum
520099303/00		Meets Citizens Broadband Radio Service and LAA band requirements	Plenum
AL4RPV-50-3000		AL4RPV-50, HELIAX® Plenum Rated Air Dielectric Coaxial Cable, corrugated aluminum, 1/2 in, off white PVC jacket, 3000 feet	Plenum
AL4RPV-50R-3000		AL4RPV-50R-3000, HELIAX® Plenum Rated Air Dielectric Coaxial Cable, corrugated aluminum, 1/2 in, Red 3000ft PVC jacket	Plenum
HL4RPV-50		HL4-50, HELIAX® Plenum Rated Air Dielectric Coaxial Cable, corrugated copper, 1/2 in, off white PVC jacket	Plenum
52005402/00		Meets Citizens Broadband Radio Service and LAA band requirements	Plenum
HL4RPV-50G		HL4-50, HELIAX® Plenum Rated Air Dielectric Coaxial Cable, corrugated copper, 1/2 in, Grey PVC jacket	Plenum
520095802/00		HL4-50, HELIAX® Plenum Rated Air Dielectric Coaxial Cable, corrugated copper, 1/2 in, black PVC jacket	Plenum
HL4RPV-50-B		HL4-50A, HELIAX® Plenum Rated Air Dielectric Coaxial Cable, corrugated copper, 1/2 in, blue PVDF jacket	Plenum

Fire Retardant Cable Products Portfolio

Part number		Description	Rating
LDF4RK-50A		LDF4-50, HELIAX® Low Density Foam Coaxial Cable, corrugated copper, 1/2 in, black non-halogenated, fire retardant polyolefin jacket	Riser
FSJ4RK-50B		FSJ4-50B, HELIAX® Superflexible Foam Coaxial Cable, corrugated copper, 1/2 in, black non-halogenated, fire retardant polyolefin jacket	Riser
AVA5RK-50		AVA5-50, HELIAX® Andrew Virtual Air™ Coaxial Cable, corrugated copper, 7/8 in, black non-halogenated, fire retardant polyolefin jacket	Riser
AVA6RK-50		AVA6-50, HELIAX® Andrew Virtual Air™ Coaxial Cable, corrugated copper, 1-1/4 in, black , fire retardant polyolefin jacket	Riser
AVA7RK-50		AVA7-50, HELIAX® Andrew Virtual Air™ Coaxial Cable, corrugated copper, 1-5/8 in, black non-halogenated, fire retardant polyolefin jacket	Riser

HELIAX® Wireless Connector Video links

QR Code	Cable	Connector
	AL4RPV-50	Positive Stop™ Series Manual Prep Tool
	FSJ4-50B	F4 Series Version 2 Manual Prep Tool
	AL4RPV-50	Positive Stop™ Series Automated Prep Tool
	FSJ4-50B	F4 Series Version 2 Automated Prep Tool
	AVA5	EZfit® Series Manual and Automated Prep Tool

QR Code	Cable	Connector
	AVA7	Positive Stop™ Series Manual Prep Tool
	AVA7	Positive Stop™ Series Manual Prep
	FXL-780	EZfit® Series Manual and Automated Prep Tool
	AVA7	Positive Stop™ Series Automated Prep Tool

Related Resources

4.3-10 Web Landing Page

HELIAX® Cable, Connector, and Tool Matrix

D-CLASS Jumpers Brochure

4.3-10 Series Ecosystem Brochure

4.3-10 Video (YouTube)

Cluster Connector Technology Video - CommScope videos

Taking a closer look at Cluster Connector Technology - CommScope videos

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