760200311 | HFC-8MM-406-APE

HELIAX® LazrSPEED® Hybrid Cable with aluminum armor

Product Classification

Regional Availability	Asia	Australia/New Zealand	EMEA	Latin America	North America
Portfolio	CommScope®
Product Type	Hybrid cable, copper and fiber
Product Brand	HELIAX®	LazrSPEED®

General Specifications

Application	Remote radio head
Armor Type	Corrugated aluminum
Cable Type	Wireless feeder
Conductors, quantity	4
Construction Type	Armored
Fiber Short Description	RFF – 6AWG
Fiber Type, quantity	8
Fibers per Subunit, quantity	8
Inner Shield (Tape) Material	Corrugated aluminum
Jacket Color	Black
Outer Shield (Tape) Material	PE
Strength Members	Glass reinforced plastic rod
Subunit, quantity	1
Total Fiber Count	8
Water Blocking Method	Water blocking tape(s)	Water blocking threads

Dimensions

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Buffer Tube/Subunit Diameter	6.096 mm | 0.24 in
Diameter Over Jacket	22.606 mm | 0.89 in
Conductor Gauge	6 AWG

Electrical Specifications

dc Resistance Note	Maximum value based on a standard condition of 20 °C (68 °F)
dc Resistance, maximum	1.352 ohms/km | 0.412 ohms/kft

Representative Image
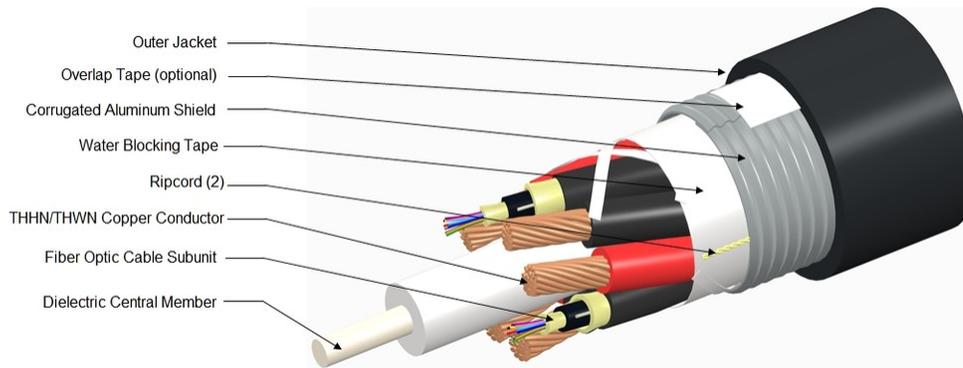
Material Specifications

Ripcord Material	Para-aramid synthetic fiber

Mechanical Specifications

Minimum Bend Radius, multiple bends, loaded	452.12 mm | 17.8 in
Minimum Bend Radius, multiple bends, unloaded	226.06 mm | 8.9 in
Minimum Bend Radius, single bend, unloaded	157.48 mm | 6.2 in
Tensile Load, long term, maximum	1,067.573 N | 240 lbf
Tensile Load, short term, maximum	3,558.576 N | 800 lbf
Compression	4.5 kg/mm | 252 lb/in
Compression Test Method	FOTP-41
Flex Test Method	FOTP-104
Impact	2.17 ft lb | 2.942 N-m
Impact Test Method	FOTP-25
Twist	10 cycles
Twist Test Method	FOTP-85

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Optical Specifications

Fiber Type   OM2+, LazrSPEED® 150 | OM2+, LazrSPEED® 150

Environmental Specifications

Installation temperature	-30 °C to +70 °C (-22 °F to +158 °F)
Operating Temperature	-40 °C to +80 °C (-40 °F to +176 °F)
Storage Temperature	-40 °C to +80 °C (-40 °F to +176 °F)
Cable Qualification Standards	ANSI/ICEA S-87-640	Telcordia GR-20	Telcordia GR-409
Environmental Space	Wireless installation

Packaging and Weights

Cable weight   803.609 kg/km | 540 lb/kft

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant

Included Products

CS-5M-MP   – LazrSPEED® 150 OM2+ Bend-Insensitive Multimode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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