760177170 | HFC-24SM-808-618-APE

HELIAX® 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®

General Specifications

Application	Remote radio head
Alarm Wire, quantity	6
Armor Type	Corrugated aluminum
Cable Type	Wireless feeder
Conductors, quantity	8
Construction Type	Armored
Fiber Short Description	RFF – 8AWG
Inner Shield (Tape) Material	Corrugated aluminum
Jacket Color	Black
Outer Shield (Tape) Material	PE
Strength Members	Glass reinforced plastic rod
Subunit, quantity	2
Fibers per Subunit, quantity	12
Total Fiber Count	24
Water Blocking Method	Water blocking tape(s)	Water blocking threads

Dimensions

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Buffer Tube/Subunit Diameter	5.334 mm | 0.21 in
Diameter Over Jacket	27.686 mm | 1.09 in
Alarm Wire Gauge	18 AWG
Conductor Gauge	8 AWG

Electrical Specifications

dc Resistance Note	Maximum value based on a standard condition of 20 °C (68 °F)
dc Resistance, maximum	2.146 ohms/km | 0.654 ohms/kft

Representative Image
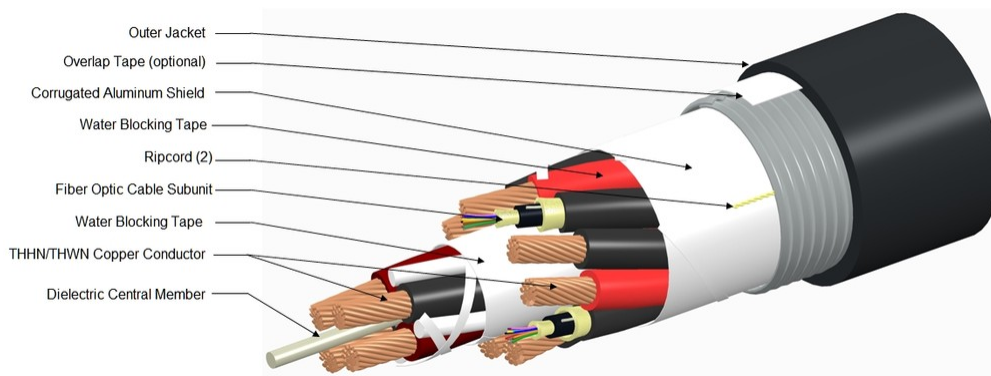
Material Specifications

Ripcord Material	Para-aramid synthetic fiber

Mechanical Specifications

Minimum Bend Radius, multiple bends, loaded	551.18 mm | 21.7 in
Minimum Bend Radius, multiple bends, unloaded	274.32 mm | 10.8 in
Minimum Bend Radius, single bend, unloaded	193.04 mm | 7.6 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	4.34 ft lb | 5.884 N-m
Impact Test Method	FOTP-25
Twist	10 cycles

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Twist Test Method	FOTP-85

Optical Specifications

Fiber Type	G.657.A2/B2	G.657.A2/B2

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	1,147.374 kg/km	771 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
UK-ROHS	Compliant

Included Products

CS-8G-MP	–	Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber (ITU-T G.657.A2, B2)

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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