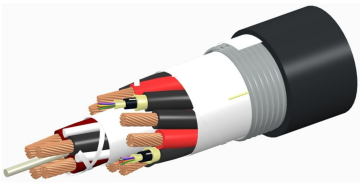
HFC-16SM-806-618-APE



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 – 6AWG
Fiber Type, quantity	16
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	2
Total Fiber Count	16
Water Blocking Method	Water blocking tape(s) | Water blocking threads

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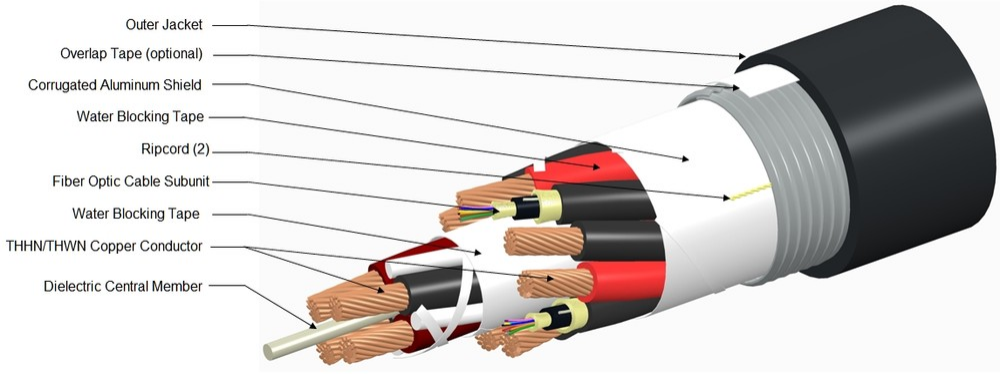
Dimensions

Buffer Tube/Subunit Diameter	6.096 mm | 0.24 in
Diameter Over Jacket	30.734 mm | 1.21 in
Alarm Wire Gauge	18 AWG
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	614.68 mm | 24.2 in
Minimum Bend Radius, multiple bends, unloaded	307.34 mm | 12.1 in
Minimum Bend Radius, single bend, unloaded	215.9 mm | 8.5 in
Tensile Load, long term, maximum	1,067.573 N | 240 lbf
Tensile Load, short term, maximum	3,558.576 N | 800 lbf
Compression	2.25 kg/mm | 126 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

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Twist	10 cycles
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	1,616.146 kg/km | 1086 lb/kft

Regulatory Compliance/Certifications

Agency	**Classification**
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

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