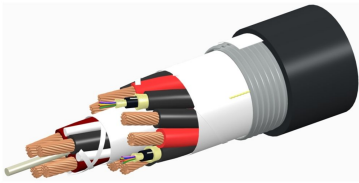


HFC-24SM-1006-APE



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
Armor Type	Corrugated aluminum
Cable Type	Wireless feeder
Conductors, quantity	10
Construction Type	Armored
Fiber Short Description	RFF – 6AWG
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

Buffer Tube/Subunit Diameter	6.096 mm 0.24 in
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Diameter Over Jacket 30.988 mm | 1.22 in

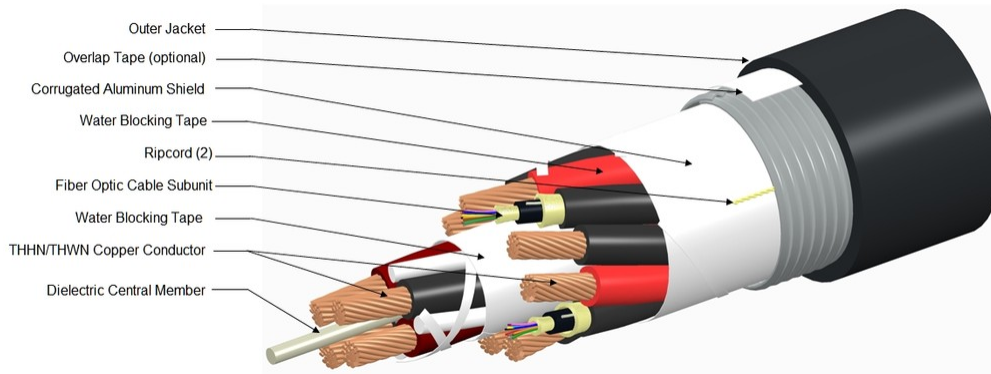
Conductor Gauge 6 AWG

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 622.3 mm | 24.5 in

Minimum Bend Radius, multiple bends, unloaded 309.88 mm | 12.2 in

Minimum Bend Radius, single bend, unloaded 218.44 mm | 8.6 in

Tensile Load, long term, maximum 1,067.573 N | 240 lbf

Tensile Load, short term, maximum 3,558.576 N | 800 lbf

Compression 4.572 kg/mm | 256 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

Twist Test Method FOTP-85

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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 1,815.56 kg/km | 1220 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