

760179960 | HFC-16SM-810-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	8
Construction Type	Armored
Fiber Short Description	RFF – 10AWG
Fiber Type, quantity	16
Fibers per Subunit, quantity	2
Filler, quantity	1
Inner Shield (Tape) Material	Corrugated aluminum
Jacket Color	Black
Outer Shield (Tape) Material	PE
Strength Members	Glass reinforced plastic rod
Subunit, quantity	8
Total Fiber Count	16
Water Blocking Method	Water blocking tape(s) Water blocking threads

Dimensions

Buffer Tube/Subunit Diameter	3.556 mm 0.14 in
Diameter Over Jacket	23.622 mm 0.93 in
Conductor Gauge	10 AWG

Electrical Specifications

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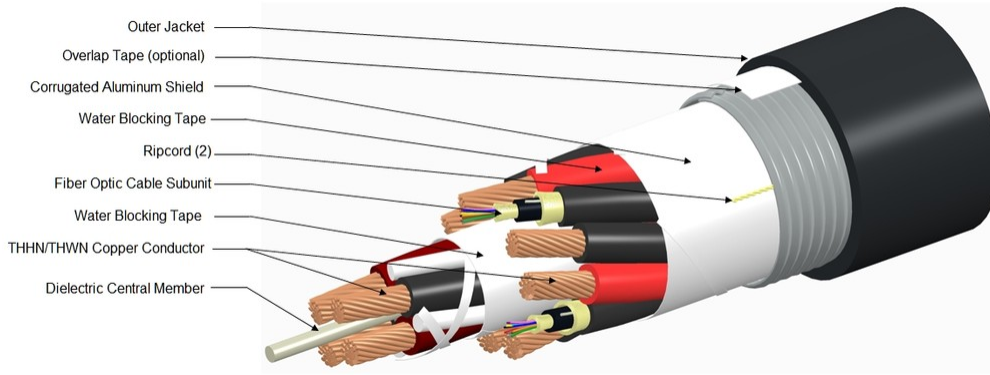
dc Resistance Note

Maximum value based on a standard condition of 20 °C (68 °F)

dc Resistance, maximum

3.412 ohms/km | 1.04 ohms/kft

Representative Image



Material Specifications

Ripcord Material

Para-aramid synthetic fiber

Mechanical Specifications

Minimum Bend Radius, multiple bends, loaded

469.9 mm | 18.5 in

Minimum Bend Radius, multiple bends, unloaded

236.22 mm | 9.3 in

Minimum Bend Radius, single bend, unloaded

152.4 mm | 6 in

Tensile Load, long term, maximum

800.68 N | 180 lbf

Tensile Load, short term, maximum

2,668.932 N | 600 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

Twist

10 cycles

Twist Test Method

FOTP-85

Optical Specifications

Fiber Type

G.657.A2/B2 | G.657.A2/B2

Environmental Specifications

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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	758.964 kg/km 510 lb/kft
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Regulatory Compliance/Certifications

Agency	Classification
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-8G-MP	-	Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber (ITU-T G.657.A2, B2)
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* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable