HELIAX® Hybrid Cable, UL Type TC-OF-ER

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
Cable Type	Wireless feeder
Conductors, quantity	2
Construction Type	Shielded
Fiber Short Description	RFF – 6AWG
Fiber Type, quantity	4
Fibers per Subunit, quantity	2
Inner Shield (Tape) Material	Corrugated aluminum
Jacket Color	Black
Outer Shield (Tape) Material	PVC
Strength Members	Glass reinforced plastic rod
Subunit, quantity	2
Total Fiber Count	4

Dimensions

Buffer Tube/Subunit Diameter	6.096 mm	0.24 in
Diameter Over Jacket	24.384 mm	0.96 in

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760221283 | HTC-4SM-206-APVA

Conductor Gauge	6 AWG

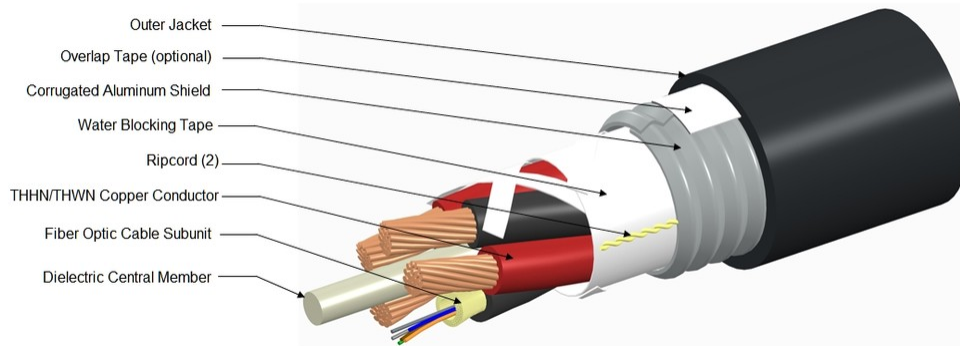## Electrical Specifications

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	487.68 mm	19.2 in
Minimum Bend Radius, multiple bends, unloaded	292.1 mm	11.5 in
Minimum Bend Radius, single bend, unloaded	170.18 mm	6.7 in
Tensile Load, long term, maximum	533.786 N	120 lbf
Tensile Load, short term, maximum	1,779.288 N	400 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
Twist Test Method	FOTP-85

Optical Specifications

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

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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-104-696	ANSI/ICEA S-87-640	Telcordia GR-20	Telcordia GR-409	UL 1277
Environmental Space	Wireless installation

Packaging and Weights

Cable weight	726.224 kg/km	488 lb/kft

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
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)

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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