

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	6
Fibers per Subunit, quantity	2
Inner Shield (Tape) Material	Corrugated aluminum
Jacket Color	Black
Strength Members	Glass reinforced plastic rod
Subunit, quantity	3
Total Fiber Count	6

Dimensions

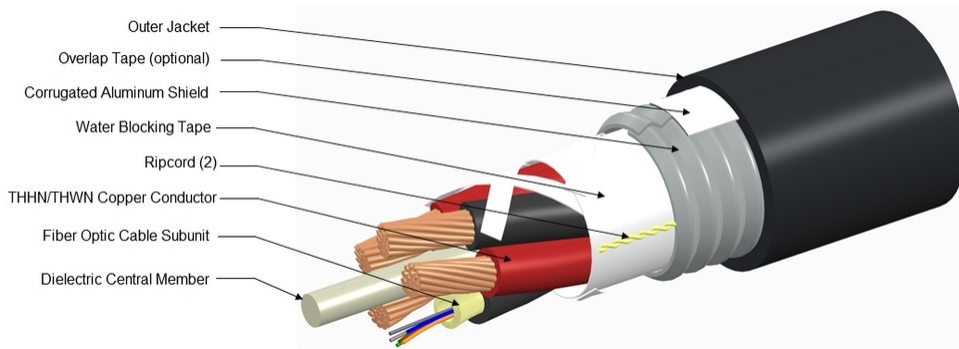
Buffer Tube/Subunit Diameter	6.096 mm 0.24 in
Diameter Over Jacket	24.384 mm 0.96 in
Conductor Gauge	6 AWG

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

760244828 | HTC-6SM-206-APVA



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

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-

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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