

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 – 10AWG

Fiber Type, quantity

4

Fibers per Subunit, quantity

4

Inner Shield (Tape) Material

Corrugated aluminum

Jacket Color

Black

Outer Shield (Tape) Material

PVC

Strength Members

Glass reinforced plastic rod

Subunit, quantity

1

Total Fiber Count

4

Dimensions

Buffer Tube/Subunit Diameter

3.556 mm | 0.14 in

Diameter Over Jacket

16.002 mm | 0.63 in

760221275 | HTC-4SM-210-APVA

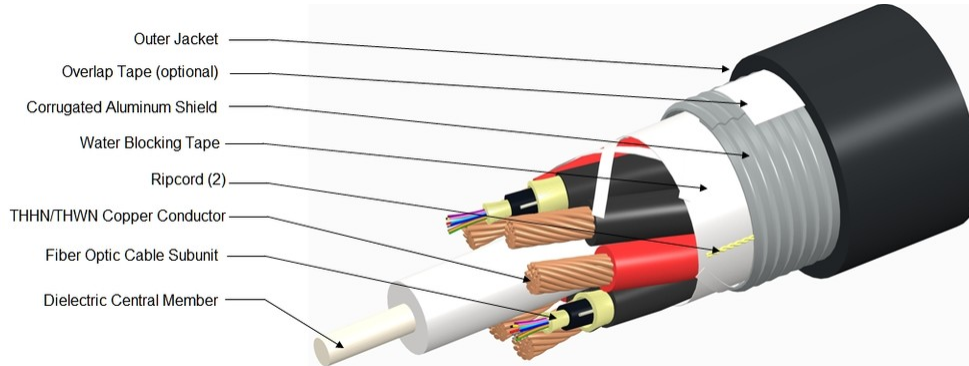
Conductor Gauge 10 AWG

Electrical Specifications

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 322.58 mm | 12.7 in

Minimum Bend Radius, multiple bends, unloaded 193.04 mm | 7.6 in

Minimum Bend Radius, single bend, unloaded 111.76 mm | 4.4 in

Tensile Load, long term, maximum 400.34 N | 90 lbf

Tensile Load, short term, maximum 1,334.466 N | 300 lbf

Compression 2.25 kg/mm | 126 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 +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Cable Qualification Standards	ANSI/ICEA S-87-640 Telcordia GR-20 Telcordia GR-409
Environmental Space	Wireless installation
Jacket UV Resistance	UV stabilized

Packaging and Weights

Cable weight	318.467 kg/km 214 lb/kft
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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-5M-MP	– LazrSPEED® 150 OM2+ Bend-Insensitive Multimode Fiber
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* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable