

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

6

Construction Type

Shielded

Fiber Short Description

RFF – 6AWG

Fiber Type, quantity

24

Fibers per Subunit, quantity

12

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

24

Water Blocking Method

Water blocking tape(s) | Water blocking threads

Dimensions

Buffer Tube/Subunit Diameter

6.096 mm | 0.24 in

760182873 | HTC-24SM-606-APV

Diameter Over Jacket 30.48 mm | 1.2 in

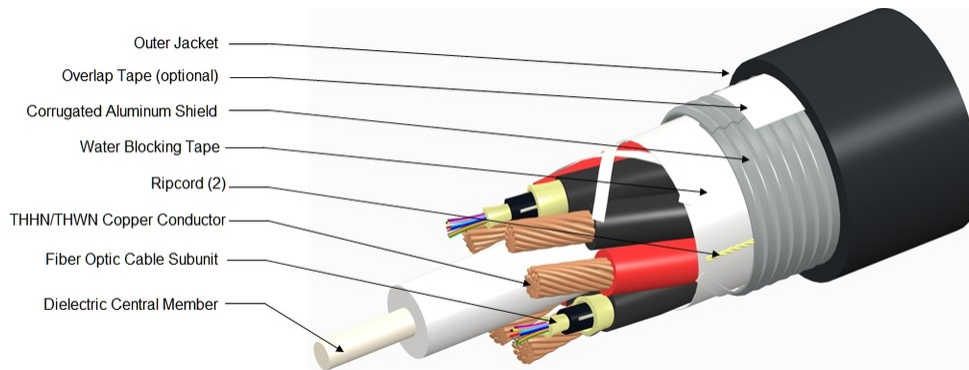
Conductor Gauge 6 AWG

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 609.6 mm | 24 in

Minimum Bend Radius, multiple bends, unloaded 304.8 mm | 12 in

Minimum Bend Radius, single bend, unloaded 213.36 mm | 8.4 in

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

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

Compression 4.5 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

760182873 | HTC-24SM-606-APV

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-20 | Telcordia GR-409 | UL 1277
Environmental Space Wireless installation

Packaging and Weights

Cable weight 1,430.126 kg/km | 961 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