

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 – 8AWG

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

5.334 mm | 0.21 in

760182881 | HTC-24SM-608-APV

Diameter Over Jacket 27.432 mm | 1.08 in

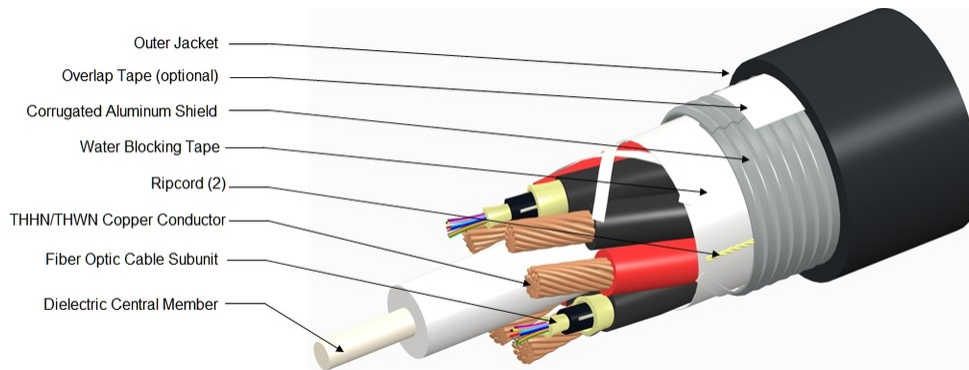
Conductor Gauge 8 AWG

Electrical Specifications

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

dc Resistance, maximum 2.146 ohms/km | 0.654 ohms/kft

Representative Image



Material Specifications

Ripcord Material Para-aramid synthetic fiber

Mechanical Specifications

Minimum Bend Radius, multiple bends, loaded 548.64 mm | 21.6 in

Minimum Bend Radius, multiple bends, unloaded 274.32 mm | 10.8 in

Minimum Bend Radius, single bend, unloaded 190.5 mm | 7.5 in

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

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

760182881 | HTC-24SM-608-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-87-640 | Telcordia GR-20 | Telcordia GR-409

Environmental Space

Wireless installation

Packaging and Weights

Cable weight

1,078.919 kg/km | 725 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