

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	12
Construction Type	Shielded
Fiber Short Description	RFF – 10AWG
Inner Shield (Tape) Material	Corrugated aluminum
Jacket Color	Black
Outer Shield (Tape) Material	PVC
Strength Members	Glass reinforced plastic rod
Subunit, quantity	2
Fibers per Subunit, quantity	2
Total Fiber Count	24
Water Blocking Method	Water blocking tape(s) Water blocking threads

Dimensions

Buffer Tube/Subunit Diameter	3.556 mm 0.14 in
Diameter Over Jacket	25.146 mm 0.99 in

760184739 | HTC-24SM-1210-APVA

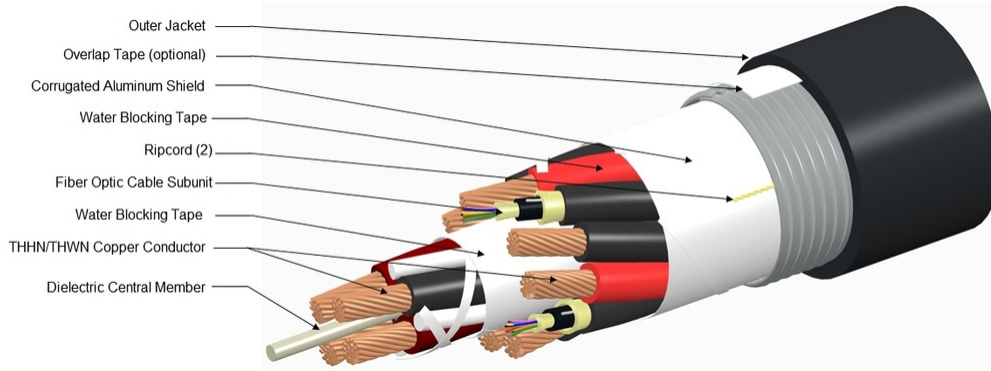
Conductor Gauge 10 AWG

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 502.92 mm | 19.8 in

Minimum Bend Radius, multiple bends, unloaded 251.46 mm | 9.9 in

Minimum Bend Radius, single bend, unloaded 175.26 mm | 6.9 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

760184739 | HTC-24SM-1210-APVA

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

1,049.9 kg/km | 705.5 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

UK-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