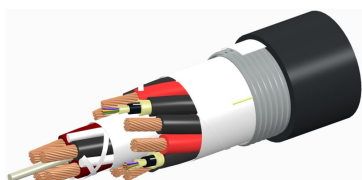


## HELIAX® Hybrid Cable, UL Type TC-OF-ER



### 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

**Fiber Type, quantity**

24

**Fibers per Subunit, quantity**

2

**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**

3.556 mm | 0.14 in

# 760219972 | HTC-24SM-1210-APVD

**Diameter Over Jacket** 25.146 mm | 0.99 in

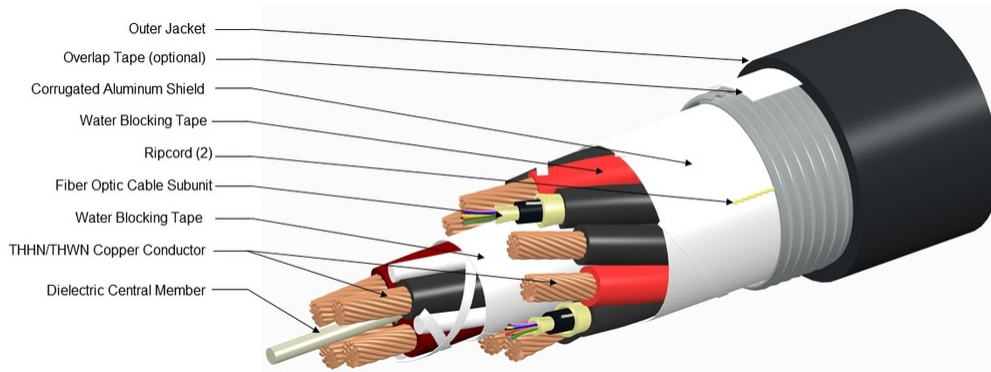
**Conductor Gauge** 10 AWG

## 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

# 760219972 | HTC-24SM-1210-APVD

---

## 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-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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
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