

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

Alarm Wire, quantity

2

Cable Type

Wireless feeder

Conductors, quantity

10

Construction Type

Shielded

Fiber Short Description

RFF – 6AWG

Fiber Type, quantity

36

Fibers per Subunit, quantity

12

Inner Shield (Tape) Material

Corrugated aluminum

Jacket Color

Off-white

Outer Shield (Tape) Material

PVC

Strength Members

Glass reinforced plastic rod

Subunit, quantity

3

Total Fiber Count

36

Water Blocking Method

Water blocking tape(s) | Water blocking threads

Dimensions

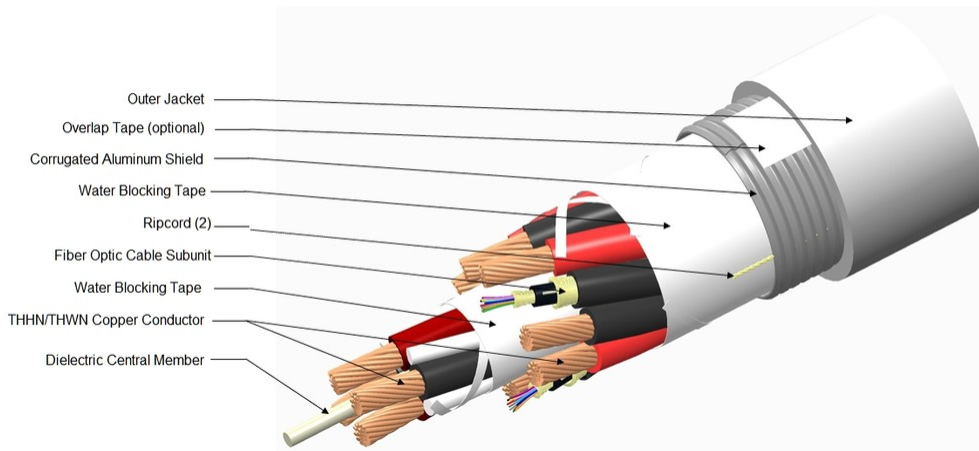
760190579 | HTC-36SM-1006-218-APV/WH

| | |
|-------------------------------------|---------------------|
| Buffer Tube/Subunit Diameter | 6.096 mm 0.24 in |
| Diameter Over Jacket | 35.306 mm 1.39 in |
| Alarm Wire Gauge | 18 AWG |
| 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 | 708.66 mm 27.9 in |
| Minimum Bend Radius, multiple bends, unloaded | 353.06 mm 13.9 in |
| Minimum Bend Radius, single bend, unloaded | 248.92 mm 9.8 in |
| Tensile Load, long term, maximum | 2,001.699 N 450 lbf |
| Tensile Load, short term, maximum | 6,672.33 N 1500 lbf |
| Compression | 4.465 kg/mm 250 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 +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 2,113.193 kg/km | 1420 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