

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

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Hybrid cable, copper and fiber
<b>Product Brand</b>	HELIAX®

## General Specifications

<b>Application</b>	Remote radio head
<b>Alarm Wire, quantity</b>	6
<b>Cable Type</b>	Wireless feeder
<b>Conductors, quantity</b>	12
<b>Construction Type</b>	Shielded
<b>Fiber Short Description</b>	RFF – 6AWG
<b>Fiber Type, quantity</b>	24
<b>Fibers per Subunit, quantity</b>	12
<b>Inner Shield (Tape) Material</b>	Corrugated aluminum
<b>Jacket Color</b>	Black
<b>Outer Shield (Tape) Material</b>	PVC
<b>Strength Members</b>	Glass reinforced plastic rod
<b>Subunit, quantity</b>	2
<b>Total Fiber Count</b>	24
<b>Water Blocking Method</b>	Water blocking tape(s)   Water blocking threads

## Dimensions

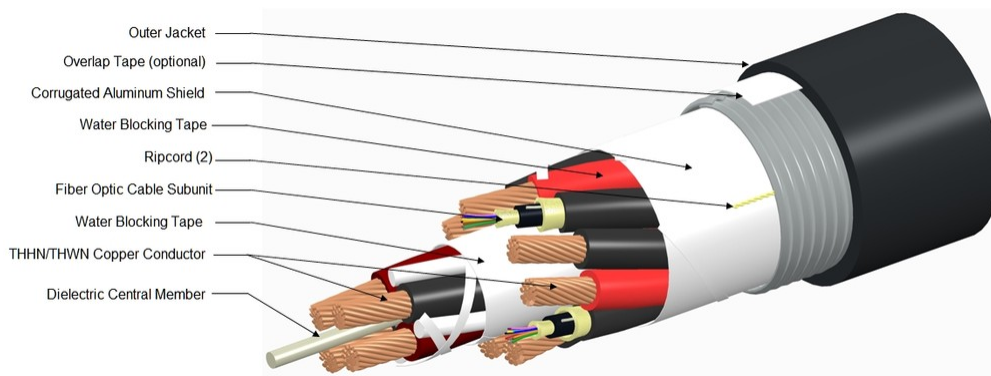
# 760181636 | HTC-24SM-1206-618-APVA

<b>Buffer Tube/Subunit Diameter</b>	6.096 mm   0.24 in
<b>Diameter Over Jacket</b>	36.322 mm   1.43 in
<b>Alarm Wire Gauge</b>	18 AWG
<b>Conductor Gauge</b>	6 AWG

## Electrical Specifications

<b>dc Resistance Note</b>	Maximum value based on a standard condition of 20 °C (68 °F)
<b>dc Resistance, maximum</b>	1.352 ohms/km   0.412 ohms/kft

## Representative Image



## Material Specifications

<b>Ripcord Material</b>	Para-aramid synthetic fiber
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## Mechanical Specifications

<b>Minimum Bend Radius, multiple bends, loaded</b>	723.9 mm   28.5 in
<b>Minimum Bend Radius, multiple bends, unloaded</b>	363.22 mm   14.3 in
<b>Minimum Bend Radius, single bend, unloaded</b>	254 mm   10 in
<b>Tensile Load, long term, maximum</b>	2,001.699 N   450 lbf
<b>Tensile Load, short term, maximum</b>	6,672.33 N   1500 lbf
<b>Compression</b>	4.465 kg/mm   250 lb/in
<b>Compression Test Method</b>	FOTP-41
<b>Flex Test Method</b>	FOTP-104
<b>Impact</b>	4.34 ft lb   5.884 N-m
<b>Impact Test Method</b>	FOTP-25
<b>Twist</b>	10 cycles

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**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** 2,421.243 kg/km | 1627 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