

## HELIAX® Hybrid Cable with aluminum armor

### 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**

6

**Armor Type**

Corrugated aluminum

**Cable Type**

Wireless feeder

**Conductors, quantity**

8

**Construction Type**

Armored

**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**

PE

**Strength Members**

Glass reinforced plastic rod

**Subunit, quantity**

2

**Total Fiber Count**

24

**Water Blocking Method**

Water blocking tape(s) | Water blocking threads

# 760177170 | HFC-24SM-808-618-APE

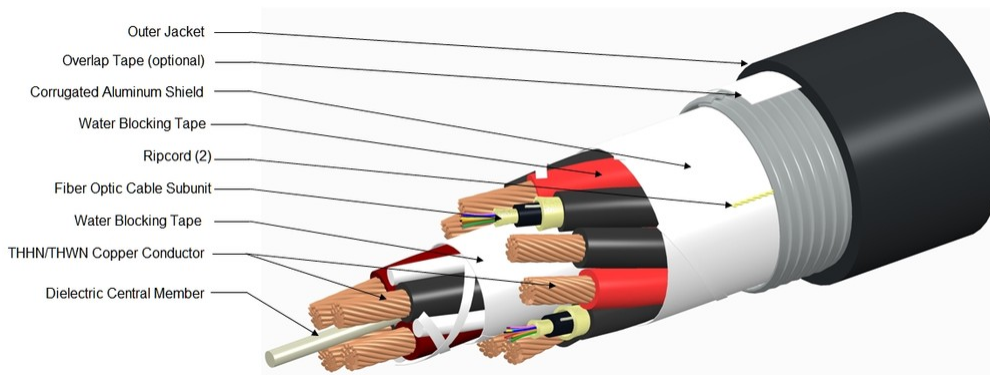
## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	5.334 mm   0.21 in
<b>Diameter Over Jacket</b>	27.686 mm   1.09 in
<b>Alarm Wire Gauge</b>	18 AWG
<b>Conductor Gauge</b>	8 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>	2.146 ohms/km   0.654 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>	551.18 mm   21.7 in
<b>Minimum Bend Radius, multiple bends, unloaded</b>	274.32 mm   10.8 in
<b>Minimum Bend Radius, single bend, unloaded</b>	193.04 mm   7.6 in
<b>Tensile Load, long term, maximum</b>	1,067.573 N   240 lbf
<b>Tensile Load, short term, maximum</b>	3,558.576 N   800 lbf
<b>Compression</b>	4.5 kg/mm   252 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

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<b>Twist</b>	10 cycles
<b>Twist Test Method</b>	FOTP-85

## Optical Specifications

<b>Fiber Type</b>	G.657.A2/B2   G.657.A2/B2
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## Environmental Specifications

<b>Installation temperature</b>	-30 °C to +70 °C (-22 °F to +158 °F)
<b>Operating Temperature</b>	-40 °C to +80 °C (-40 °F to +176 °F)
<b>Storage Temperature</b>	-40 °C to +80 °C (-40 °F to +176 °F)
<b>Cable Qualification Standards</b>	ANSI/ICEA S-87-640   Telcordia GR-20   Telcordia GR-409
<b>Environmental Space</b>	Wireless installation

## Packaging and Weights

<b>Cable weight</b>	1,147.374 kg/km   771 lb/kft
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## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
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)
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## \* Footnotes

<b>Operating Temperature</b>	Specification applicable to non-terminated bulk fiber cable
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