

## HELIAX® Hybrid Cable with aluminum armor

### 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>Armor Type</b>	Corrugated aluminum
<b>Cable Type</b>	Wireless feeder
<b>Conductors, quantity</b>	8
<b>Construction Type</b>	Armored
<b>Fiber Short Description</b>	RFF – 12AWG
<b>Filler, quantity</b>	1
<b>Inner Shield (Tape) Material</b>	Corrugated aluminum
<b>Jacket Color</b>	Black
<b>Outer Shield (Tape) Material</b>	PE
<b>Strength Members</b>	Glass reinforced plastic rod
<b>Subunit, quantity</b>	8
<b>Fibers per Subunit, quantity</b>	2
<b>Total Fiber Count</b>	16
<b>Water Blocking Method</b>	Water blocking tape(s)   Water blocking threads

### Dimensions

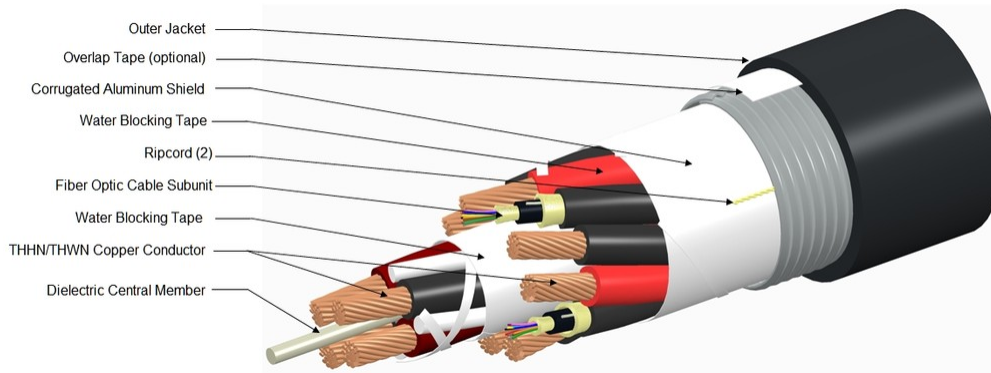
# 760170928 | HFC-16SM-812-APE

<b>Buffer Tube/Subunit Diameter</b>	3.048 mm   0.12 in
<b>Diameter Over Jacket</b>	19.812 mm   0.78 in
<b>Conductor Gauge</b>	12 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>	5.413 ohms/km   1.65 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>	396.24 mm   15.6 in
<b>Minimum Bend Radius, multiple bends, unloaded</b>	198.12 mm   7.8 in
<b>Minimum Bend Radius, single bend, unloaded</b>	139.7 mm   5.5 in
<b>Tensile Load, long term, maximum</b>	800.68 N   180 lbf
<b>Tensile Load, short term, maximum</b>	2,668.932 N   600 lbf
<b>Compression</b>	2.25 kg/mm   126 lb/in
<b>Compression Test Method</b>	FOTP-41
<b>Flex Test Method</b>	FOTP-104
<b>Impact</b>	2.17 ft lb   2.942 N-m
<b>Impact Test Method</b>	FOTP-25
<b>Twist</b>	10 cycles
<b>Twist Test Method</b>	FOTP-85

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## 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** 516.393 kg/km | 347 lb/kft

## Regulatory Compliance/Certifications

Agency	Classification
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
UK-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

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable