

HELIAX® Hybrid Cable with Concentric Conductors, UL Type RHC

## 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

10

### Cable Type

Wireless feeder

### Conductors, quantity

4

### Construction Type

Shielded

### Fiber Short Description

RFF-6 AWG concentric

### Inner Shield (Tape) Material

Corrugated aluminum

### Jacket Color

Black

### Outer Shield (Tape) Material

PVC

### Strength Members

Glass reinforced plastic rod

### Subunit, quantity

1

### Fibers per Subunit, quantity

12

### Total Fiber Count

12

### Water Blocking Method

Water blocking tape(s) | Water blocking threads

## Dimensions

### Buffer Tube/Subunit Diameter

9.144 mm | 0.36 in

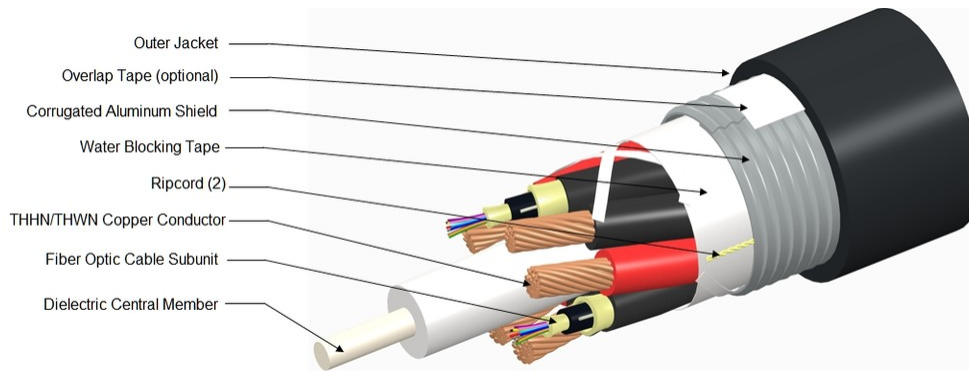
# 760210955 | HRC-12SM-406C-1018-APV

<b>Diameter Over Jacket</b>	32.512 mm   1.28 in
<b>Alarm Wire Gauge</b>	18 AWG
<b>Conductor Gauge</b>	6 AWG concentric

## 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>	652.78 mm   25.7 in
<b>Minimum Bend Radius, multiple bends, unloaded</b>	391.16 mm   15.4 in
<b>Minimum Bend Radius, single bend, unloaded</b>	88.9 mm   3.5 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>	2.232 kg/mm   125 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
<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-104-696 | ANSI/ICEA S-87-640 | Telcordia GR-20 | Telcordia GR-409 | UL 2882

**Environmental Space** Wireless installation

## Packaging and Weights

**Cable weight** 1,386.969 kg/km | 932 lb/kft

## Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

## 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