

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         | 16                                              |
| Construction Type            | Armored                                         |
| Fiber Short Description      | RFF – 8AWG                                      |
| Inner Shield (Tape) Material | Corrugated aluminum                             |
| Jacket Color                 | Black                                           |
| Outer Shield (Tape) Material | PE                                              |
| Strength Members             | Glass reinforced plastic rod                    |
| Subunit, quantity            | 2                                               |
| Fibers per Subunit, quantity | 12                                              |
| Total Fiber Count            | 24                                              |
| Water Blocking Method        | Water blocking tape(s)   Water blocking threads |

Dimensions

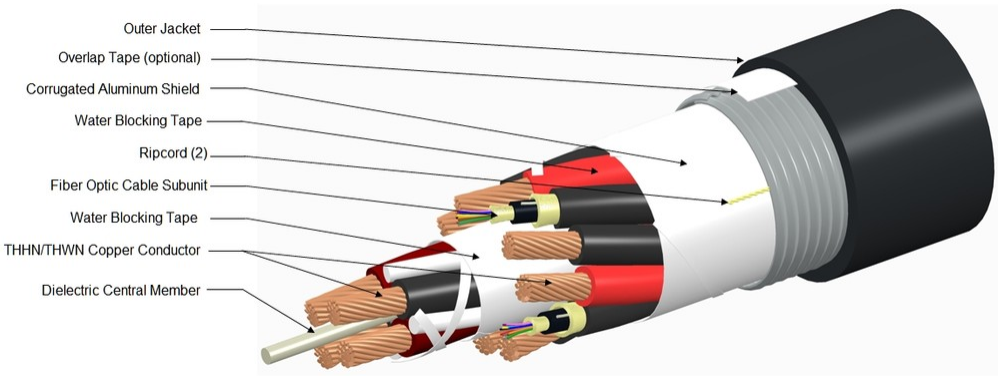
# 760177162 | HFC-24SM-1608-618-APE

|                              |                     |
|------------------------------|---------------------|
| Buffer Tube/Subunit Diameter | 5.334 mm   0.21 in  |
| Diameter Over Jacket         | 32.258 mm   1.27 in |
| Alarm Wire Gauge             | 18 AWG              |
| Conductor Gauge              | 8 AWG               |

## Electrical Specifications

|                        |                                                              |
|------------------------|--------------------------------------------------------------|
| dc Resistance Note     | Maximum value based on a standard condition of 20 °C (68 °F) |
| dc Resistance, maximum | 2.146 ohms/km   0.654 ohms/kft                               |

## Representative Image



## Material Specifications

|                  |                             |
|------------------|-----------------------------|
| Ripcord Material | Para-aramid synthetic fiber |
|------------------|-----------------------------|

## Mechanical Specifications

|                                               |                        |
|-----------------------------------------------|------------------------|
| Minimum Bend Radius, multiple bends, loaded   | 647.7 mm   25.5 in     |
| Minimum Bend Radius, multiple bends, unloaded | 322.58 mm   12.7 in    |
| Minimum Bend Radius, single bend, unloaded    | 226.06 mm   8.9 in     |
| Tensile Load, long term, maximum              | 1,067.573 N   240 lbf  |
| Tensile Load, short term, maximum             | 3,558.576 N   800 lbf  |
| Compression                                   | 4.5 kg/mm   252 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              |

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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-87-640 | Telcordia GR-20 | Telcordia GR-409

Environmental Space

Wireless installation

## Packaging and Weights

Cable weight

1,942.054 kg/km | 1305 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