

## HELIAX® LazrSPEED® Hybrid Cable

### 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®   LazrSPEED®  |

### General Specifications

|                                     |   |
|-------------------------------------|---|
| <b>Application</b>                  | Remote radio head                               |
| <b>Cable Type</b>                   | Wireless feeder                                 |
| <b>Conductors, quantity</b>         | 2   |
| <b>Construction Type</b>            | Shielded  |
| <b>Fiber Short Description</b>      | RFF – 12AWG                                     |
| <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>Fibers per Subunit, quantity</b> | 2   |
| <b>Total Fiber Count</b>            | 4   |
| <b>Water Blocking Method</b>        | Water blocking tape(s)   Water blocking threads |

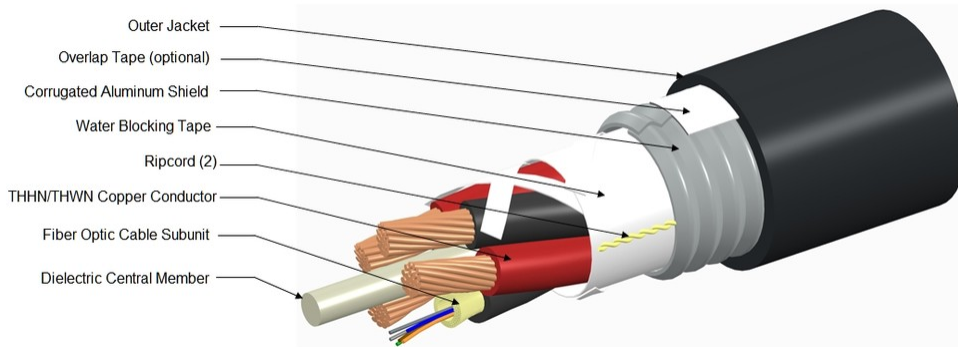
### Dimensions

|                                     |                     |
|-------------------------------------|---------------------|
| <b>Buffer Tube/Subunit Diameter</b> | 3.048 mm   0.12 in  |
| <b>Diameter Over Jacket</b>         | 13.462 mm   0.53 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

**Ripcord Material** Para-aramid synthetic fiber

## Mechanical Specifications

|  |                        |
|--|------------------------|
| <b>Minimum Bend Radius, multiple bends, loaded</b>   | 269.24 mm   10.6 in    |
| <b>Minimum Bend Radius, multiple bends, unloaded</b> | 134.62 mm   5.3 in     |
| <b>Minimum Bend Radius, single bend, unloaded</b>    | 93.98 mm   3.7 in      |
| <b>Tensile Load, long term, maximum</b>              | 200.17 N   45 lbf      |
| <b>Tensile Load, short term, maximum</b>             | 667.233 N   150 lbf    |
| <b>Compression</b>                                   | 2.25 kg/mm   126 lb/in |
| <b>Compression Test Method</b>                       | FOTP-41                |
| <b>Flex</b>  | 25 cycles              |
| <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                |

## Optical Specifications

**Fiber Type** OM2+, LazrSPEED® 150 | OM2+, LazrSPEED® 150

## Environmental Specifications

**Installation temperature** -30 °C to +70 °C (-22 °F to +158 °F)

# 760187914 | HEC-4MM-212-APV

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|                                      |   |
|--------------------------------------|---|
| <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> | 217.272 kg/km   146 lb/kft |
|---------------------|----------------------------|

## 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 |
| ROHS          | Compliant  |
| UK-ROHS       | Compliant  |



## Included Products

|          |  |
|----------|--|
| CS-5M-MP | – LazrSPEED® 150 OM2+ Bend-Insensitive Multimode Fiber |
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## \* Footnotes

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