

## HELIAX® LazrSPEED® Hybrid Cable

### 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® | LazrSPEED®

### General Specifications

#### Application

Remote radio head

#### Cable Type

Wireless feeder

#### Conductors, quantity

12

#### Construction Type

Shielded

#### Fiber Short Description

RFF – 10AWG

#### Fiber Type, quantity

24

#### Fibers per Subunit, quantity

2

#### Inner Shield (Tape) Material

Corrugated aluminum

#### Jacket Color

Black

#### Outer Shield (Tape) Material

PVC

#### Strength Members

Glass reinforced plastic rod

#### Subunit, quantity

2

#### Total Fiber Count

24

#### Water Blocking Method

Water blocking tape(s) | Water blocking threads

### Dimensions

#### Buffer Tube/Subunit Diameter

3.556 mm | 0.14 in

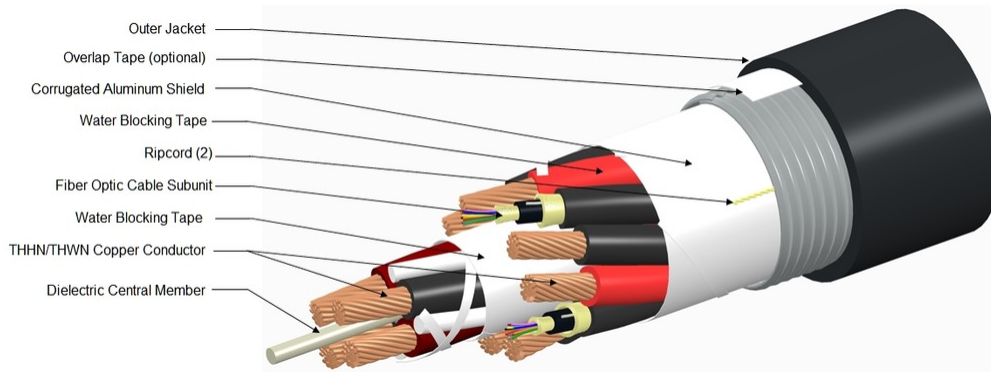
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<b>Diameter Over Jacket</b>	27.94 mm   1.1 in
<b>Conductor Gauge</b>	10 AWG

## Electrical Specifications

<b>dc Resistance Note</b>	Maximum value based on a standard condition of 20 °C (68 °F)
<b>dc Resistance, maximum</b>	3.412 ohms/km   1.04 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>	558.8 mm   22 in
<b>Minimum Bend Radius, multiple bends, unloaded</b>	335.28 mm   13.2 in
<b>Minimum Bend Radius, single bend, unloaded</b>	177.8 mm   7 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>	2.25 kg/mm   126 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** OM2+, LazrSPEED® 150 | OM2+, LazrSPEED® 150

## 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** 1,177.138 kg/km | 791 lb/kft

## Regulatory Compliance/Certifications

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



## Included Products

CS-5M-MP – LazrSPEED® 150 OM2+ Bend-Insensitive Multimode Fiber

## \* Footnotes

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