

HELIAX® LazrSPEED® 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® LazrSPEED®

General Specifications

Application	Remote radio head
Armor Type	Corrugated aluminum
Cable Type	Wireless feeder
Conductors, quantity	8
Construction Type	Armored
Fiber Short Description	RFF – 10AWG
Fiber Type, quantity	16
Fibers per Subunit, quantity	2
Filler, quantity	1
Inner Shield (Tape) Material	Corrugated aluminum
Jacket Color	Black
Outer Shield (Tape) Material	PE
Strength Members	Glass reinforced plastic rod
Subunit, quantity	8
Total Fiber Count	16
Water Blocking Method	Water blocking tape(s) Water blocking threads

760217794 | HFC-16MM-810-APE

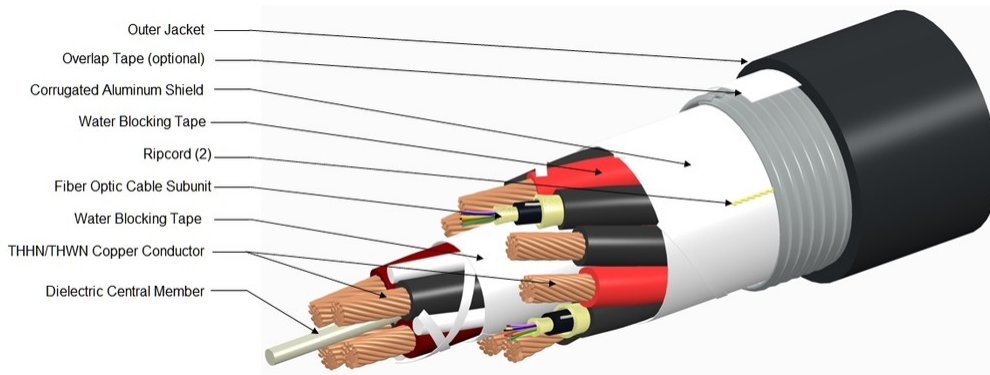
Dimensions

Buffer Tube/Subunit Diameter	3.556 mm 0.14 in
Diameter Over Jacket	23.622 mm 0.93 in
Conductor Gauge	10 AWG

Electrical Specifications

dc Resistance Note	Maximum value based on a standard condition of 20 °C (68 °F)
dc Resistance, maximum	3.412 ohms/km 1.04 ohms/kft

Representative Image



Material Specifications

Ripcord Material	Para-aramid synthetic fiber
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Mechanical Specifications

Minimum Bend Radius, multiple bends, loaded	469.9 mm 18.5 in
Minimum Bend Radius, multiple bends, unloaded	236.22 mm 9.3 in
Minimum Bend Radius, single bend, unloaded	152.4 mm 6 in
Tensile Load, long term, maximum	800.68 N 180 lbf
Tensile Load, short term, maximum	2,668.932 N 600 lbf
Compression	2.25 kg/mm 126 lb/in
Compression Test Method	FOTP-41
Flex Test Method	FOTP-104
Impact	2.17 ft lb 2.942 N-m
Impact Test Method	FOTP-25
Twist	10 cycles

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Twist Test Method 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)

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 758.964 kg/km | 510 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