

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	8
Construction Type	Shielded
Fiber Short Description	RFF – 10AWG
Inner Shield (Tape) Material	Corrugated aluminum
Jacket Color	Black
Strength Members	Glass reinforced plastic rod
Subunit, quantity	8
Fibers per Subunit, quantity	2
Total Fiber Count	16

Dimensions

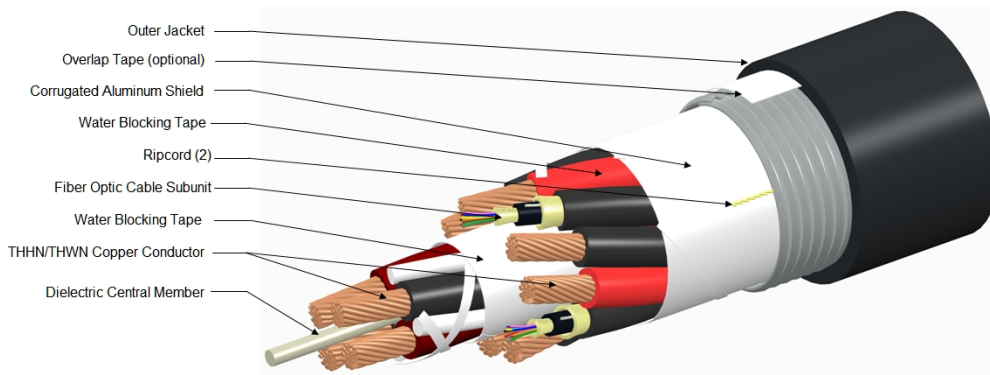
Buffer Tube/Subunit Diameter	3.556 mm 0.14 in
Diameter Over Jacket	27.686 mm 1.09 in
Conductor Gauge	10 AWG

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

760241704 | HEC-16KM-810-APV



Material Specifications

Ripcord Material Para-aramid synthetic fiber

Mechanical Specifications

Minimum Bend Radius, multiple bends, loaded	556.26 mm 21.9 in
Minimum Bend Radius, multiple bends, unloaded	279.4 mm 11 in
Minimum Bend Radius, single bend, unloaded	195.58 mm 7.7 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	4.34 ft lb 5.884 N-m
Impact Test Method	FOTP-25
Twist	10 cycles
Twist Test Method	FOTP-85

Optical Specifications

Fiber Type OM4, LazrSPEED® 550 | OM4, LazrSPEED® 550

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)

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Cable Qualification Standards

ANSI/ICEA S-87-640 | Telcordia GR-20 | Telcordia GR-409

Environmental Space

Wireless installation

Packaging and Weights

Cable weight

1,004.511 kg/km | 675 lb/kft

Regulatory Compliance/Certifications

Agency

Classification

CHINA-ROHS

Below maximum concentration value

ISO 9001:2015

Designed, manufactured and/or distributed under this quality management system

REACH-SVHC

Compliant as per SVHC revision on www.commscope.com/ProductCompliance

ROHS

Compliant

UK-ROHS

Compliant



Included Products

CS-5K-MP – LazrSPEED® 550 OM4 Bend-Insensitive Multimode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable