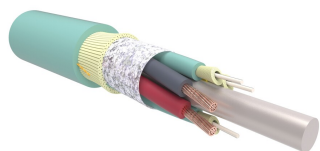


760250287 | P-004-DS-HY-5K-F29AQ/2X12AWG



LazrSPEED® Plenum Hybrid Distribution Cable, 4 simplex single fiber, 2 conductor 12 AWG, OM4 Bend Insensitive

Product Classification

Regional Availability	North America
Portfolio	CommScope®
Product Type	Hybrid cable, copper and fiber
Product Brand	LazrSPEED®

General Specifications

Cable Type	Distribution Hybrid Stranded indoor
Conductor Type, singles	Stranded
Conductors, quantity	4
Construction Type	Non-armored
Fiber Short Description	P-001-SP29
Fiber Type, quantity	4
Fibers per Subunit, quantity	1
Filler, quantity	0
Jacket Color	Aqua
Subunit Jacket Color	Aqua
Subunit Type	Gel-free
Subunit, quantity	4
Total Fiber Count	4

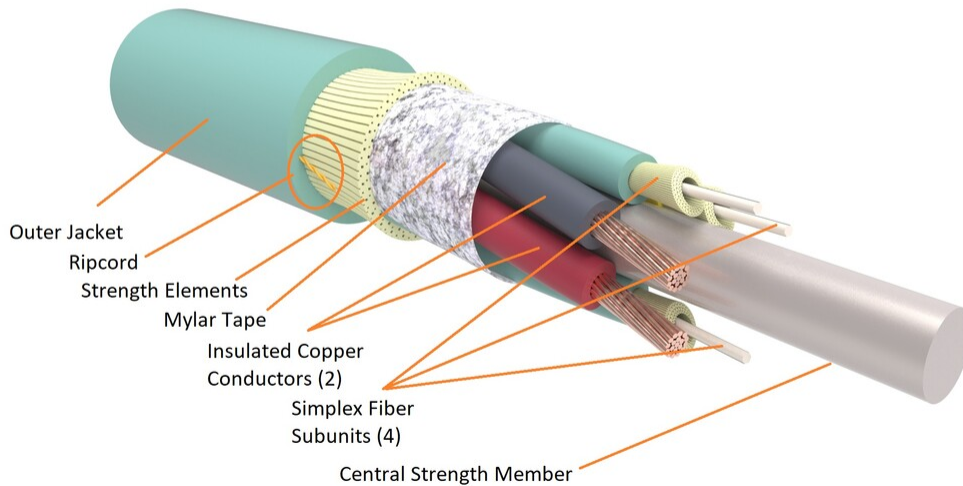
Dimensions

Buffer Tube/Subunit Diameter	2.794 mm 0.11 in
Diameter Over Jacket	10.668 mm 0.42 in
Jacket Thickness	0.762 mm 0.03 in
Conductor Gauge	12 AWG

Electrical Specifications

Conductor dc Resistance 5.413 ohms/km | 1.65 ohms/kft

Representative Image



Material Specifications

Conductor Material	Bare copper Stranded copper wire
Insulation Material, singles	PVC
Jacket Material	Fire retardant PVC
Ripcord Material	Polyester

Mechanical Specifications

Minimum Bend Radius, loaded	159.004 mm 6.26 in
Minimum Bend Radius, unloaded	105.918 mm 4.17 in
Tensile Load, long term, maximum	275.79 N 62 lbf
Tensile Load, short term, maximum	911.885 N 205 lbf

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Compression	1.018 kg/mm 57 lb/in
Compression Test Method	FOTP-41
Flex	25 cycles
Flex Test Method	FOTP-104
Impact	2.17 ft lb 2.942 N-m
Impact Test Method	FOTP-25
Strain	See long and short term tensile loads
Strain Test Method	FOTP-33
Twist	10 cycles
Twist Test Method	FOTP-85
Vertical Rise, maximum	169.774 m 557 ft

Optical Specifications

Fiber Type	OM4, LazrSPEED® OM4, bend insensitive
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Environmental Specifications

Installation temperature	-0 °C to +70 °C (-32 °F to +158 °F)
Operating Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Cable Qualification Standards	ANSI/ICEA S-83-596 Telcordia GR-409 UL 13 UL 444
Environmental Space	Plenum Wireless installation
Flame Test Listing	NEC CL3P-OF (ETL) and c(ETL) NEC CMP-OF (ETL) and c(ETL)
Flame Test Method	NFPA 262

Environmental Test Specifications

Low High Bend	0 °C to +70 °C (+32 °F to +158 °F)
Low High Bend Test Method	FOTP-37
Temperature Cycle	0 °C to +70 °C (+32 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3

Packaging and Weights

Cable weight	164.293 kg/km 110.4 lb/kft
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Included Products

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

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable