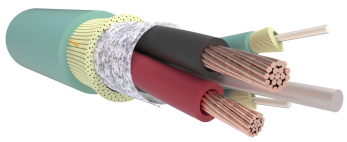
760250307 | P-002-DS-HY-5L-F16AQ/2X20AWG



LazrSPEED® Plenum Hybrid Distribution Cable, 2 simplex single fiber, 2 conductor 20 AWG, OM3 Bend Insensitive Fiber

OBSOLETE

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	2
Construction Type	Non-armored
Fiber Short Description	P-001-SP16
Subunit Type	Gel-free
Filler, quantity	0
Jacket Color	Aqua
Subunit, quantity	2
Fibers per Subunit, quantity	1
Total Fiber Count	2

Dimensions

Buffer Tube/Subunit Diameter	1.524 mm | 0.06 in
Diameter Over Jacket	5.588 mm | 0.22 in
Conductor Gauge	20 AWG

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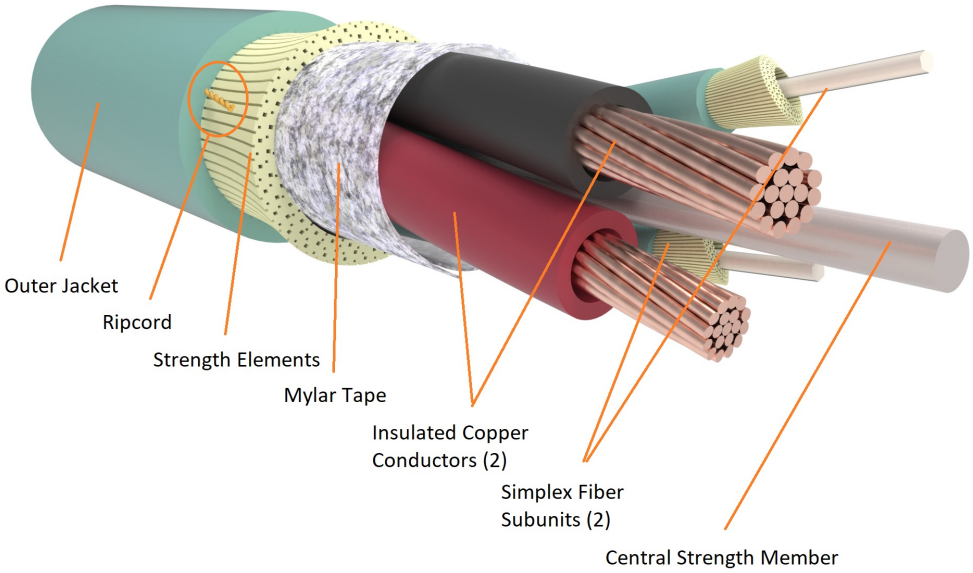
760250307 | P-002-DS-HY-5L-F16AQ/2X20AWG

Electrical Specifications

Conductor dc Resistance	34.438 ohms/km | 10.497 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	85.598 mm | 3.37 in
Minimum Bend Radius, unloaded	56.896 mm | 2.24 in
Tensile Load, long term, maximum	60.051 N | 13.5 lbf
Tensile Load, short term, maximum	200.17 N | 45 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	172.182 m | 564.9 ft

Optical Specifications

Fiber Type	OM3, LazrSPEED® | OM3, bend insensitive

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	35.567 kg/km | 23.9 lb/kft

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Included Products

CS-5L-TB	–	LazrSPEED® 300 OM3 Bend-Insensitive Multimode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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