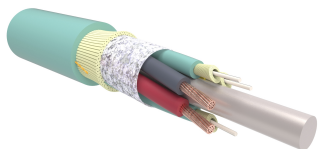


760250287 | P-004-DS-HY-5K-F29AQ/2X12AWG

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



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 | 4 |
| Construction Type | Non-armored |
| Fiber Short Description | P-001-SP29 |
| Subunit Type | Gel-free |
| Filler, quantity | 0 |
| Jacket Color | Aqua |
| Subunit Jacket Color | Aqua |
| Subunit, quantity | 4 |
| Fibers per Subunit, quantity | 1 |
| Total Fiber Count | 4 |

Dimensions

| | |
|-------------------------------------|---------------------|
| Buffer Tube/Subunit Diameter | 2.794 mm 0.11 in |
| Diameter Over Jacket | 10.668 mm 0.42 in |

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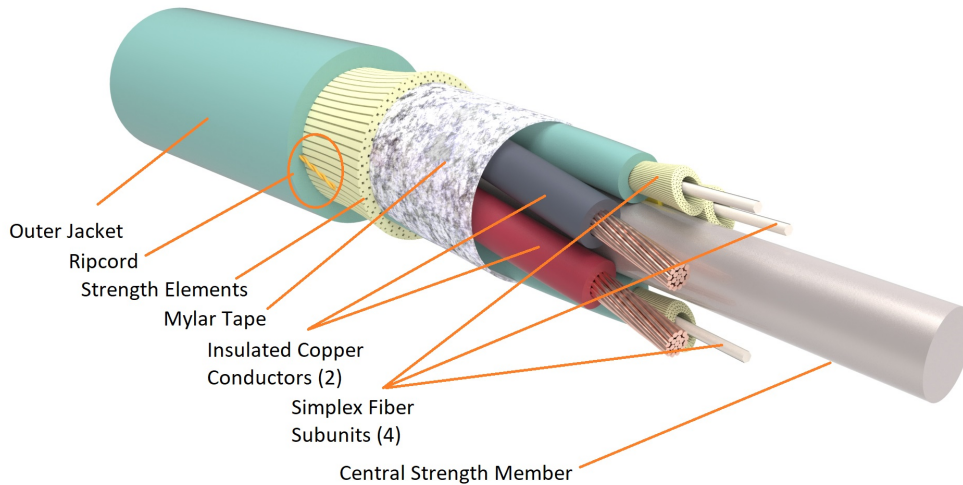
Jacket Thickness 0.762 mm | 0.03 in

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

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| | |
|--|---------------------------------------|
| 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 |
| 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 |
|-------------------|---|

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 |

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Packaging and Weights

Cable weight 164.293 kg/km | 110.4 lb/kft

Included Products

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

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable