

Product Classification

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|-----------------------|---|
| Regional Availability | Asia Australia/New Zealand EMEA Latin America North America |
| Portfolio | CommScope® |
| Product Type | Fiber indoor/outdoor cable |
| Product Series | Z-LZ |

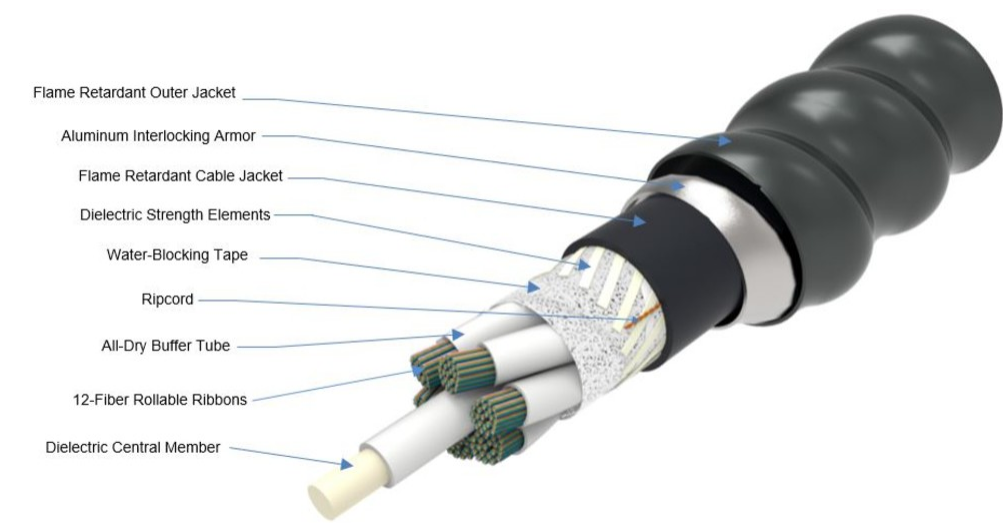
General Specifications

| | |
|------------------------------|-------------------|
| Cable Type | Ribbon loose tube |
| Construction Type | Armored |
| Subunit Type | Gel-free |
| Fibers per Ribbon, quantity | 12 |
| Jacket Color | Black |
| Jacket Marking | Feet |
| Fibers per Subunit, quantity | 288 |
| Total Fiber Count | 1728 |

Dimensions

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|------------------------------|-----------------------|
| Cable Length | 1410 m 4,625.984 ft |
| Buffer Tube/Subunit Diameter | 7.2 mm 0.283 in |
| Diameter Over Armor | 32.4 mm 1.276 in |
| Diameter Over Jacket | 34.4 mm 1.354 in |

Representative Image



Mechanical Specifications

| | |
|------------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded | 516 mm 20.315 in |
| Minimum Bend Radius, storage coils | 516 mm 20.315 in |
| Minimum Bend Radius, unloaded | 344 mm 13.543 in |
| Tensile Load, long term, maximum | 800 N 179.847 lbf |
| Tensile Load, short term, maximum | 2700 N 606.984 lbf |
| Compression | 22 N/mm 125.623 lb/in |
| Compression Test Method | FOTP-41 IEC 60794-1 E3 |
| Flex | 25 cycles |
| Flex Test Method | FOTP-104 IEC 60794-1 E6 |
| Impact | 4.4 N-m 38.943 in lb |
| Impact Test Method | FOTP-25 IEC 60794-1 E4 |
| Strain | See long and short term tensile loads |
| Strain Test Method | FOTP-33 IEC 60794-1 E1 |
| Twist | 10 cycles |
| Twist Test Method | FOTP-85 IEC 60794-1 E7 |

Optical Specifications

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|------------|---------------------------------|
| Fiber Type | G.657.A2 G.657.A2, TeraSPEED® |
|------------|---------------------------------|

Environmental Specifications

760245915 | Z-1728-LZ-RR-F12BK/8G1/99H/B2

| | |
|---|---|
| Installation temperature | -20 °C to +60 °C (-4 °F to +140 °F) |
| Operating Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| Storage Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| Cable Qualification Standards | ANSI/ICEA S-87-640 Telcordia GR-20-CORE Issue 4 |
| EN50575 CPR Cable EuroClass Fire Performance | B2ca |
| EN50575 CPR Cable EuroClass Smoke Rating | s1b |
| EN50575 CPR Cable EuroClass Droplets Rating | d2 |
| EN50575 CPR Cable EuroClass Acidity Rating | a1 |
| Environmental Space | Low Smoke Zero Halogen (LSZH) |
| Flame Test Listing | NEC OFNR-ST1 (UL) and c(UL) |
| Flame Test Method | CSA FT4 UL 1666 |
| Jacket UV Resistance | UV stabilized |
| Water Penetration | 24 h |
| Water Penetration Test Method | FOTP-82 IEC 60794-1 F5 |

Environmental Test Specifications

| | |
|--------------------------------------|--------------------------------------|
| Cable Freeze | -2 °C 28.4 °F |
| Cable Freeze Test Method | FOTP-98 IEC 60794-1 F15 |
| Heat Age | -40 °C to +85 °C (-40 °F to +185 °F) |
| Heat Age Test Method | IEC 60794-1 F9 |
| Low High Bend | -30 °C to +60 °C (-22 °F to +140 °F) |
| Low High Bend Test Method | FOTP-37 IEC 60794-1 E11 |
| Temperature Cycle | -40 °C to +70 °C (-40 °F to +158 °F) |
| Temperature Cycle Test Method | FOTP-3 IEC 60794-1 F1 |

Packaging and Weights

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|---------------------|----------------------------|
| Cable weight | 957 kg/km 643.074 lb/kft |
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Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|-----------------------|
| ANATEL | Compliant |



Included Products

- CS-8G1-RR-I/O
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- Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Rollable Ribbon Fiber (ITU-T G.657.A2, B2)

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable