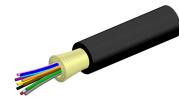
760253895 | Z-024-MD-8G-F36BK/D



Fiber Indoor/Outdoor cable, Low Smoke Zero Halogen Micro Distribution, 24-Fiber, Singlemode G.657.A2, Feet jacket marking, Black jacket color, Dca flame rating

Product Classification

| Regional Availability | Europe |
|------------------------|----------------------------|
| Portfolio | CommScope® |
| Product Type | Fiber indoor/outdoor cable |
| Product Series | Z-MD |
| General Specifications | |
| Cable Type | Distribution |
| Construction Type | Non-armored |
| Subunit Type | Gel-free |
| Jacket Color | Black |
| Jacket Marking | Feet |
| Subunit, quantity | 1 |
| Total Fiber Count | 24 |
| Dimensions | |
| Diameter Over Jacket | 3.65 mm 0.144 in |
| | |

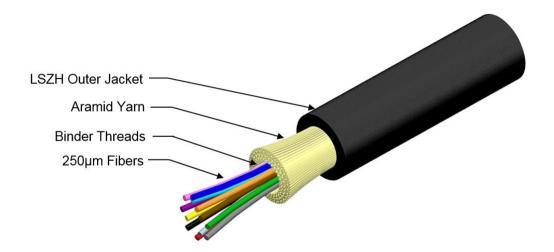
Representative Image

Page 1 of 3

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Mechanical Specifications

| Minimum Bend Radius, loaded | 54 mm 2.126 in |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, unloaded | 29 mm 1.142 in |
| Tensile Load, long term, maximum | 54 N 12.14 lbf |
| Tensile Load, short term, maximum | 178 N 40.016 lbf |
| Compression | 4 N/mm 22.841 lb/in |
| Compression Test Method | FOTP-41 IEC 60794-1 E3 |
| Flex | 300 cycles |
| Flex Test Method | FOTP-104 IEC 60794-1 E6 |
| Impact | 2.94 N-m 26.021 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 |
| Vertical Rise, maximum | 400 m 1,312.336 ft |
| Optical Specifications | |
| Fiber Type | G.657.A2 G.657.A2/B2 |

Environmental Specifications

Installation temperature

-10 °C to +60 °C (+14 °F to +140 °F)

Page 2 of 3

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| Storage Temperature-40 °C to +75 °C (-40 °F to +167 °F)Cable Qualification StandardsANSI/ICEA S-104-696 Telcordia GR-20 (water penetration) Telcordia GR-409EN50575 CPR Cable EuroClass Fire PerformanceDcaEN50575 CPR Cable EuroClass Smoke Ratings1aEN50575 CPR Cable EuroClass Droplets Ratingd0EN50575 CPR Cable EuroClass Acidity Ratinga1Environmental SpaceLow Smoke Zero Halogen (LSZH)Flame Test ListingNEC OFNR-ST1 (ETL) and c(ETL)Flame Test MethodUV stabilizedJacket UV ResistanceUV stabilizedWater Penetration Test Method24 h | Operating Temperature | -40 °C to +75 °C (-40 °F to +167 °F) |
|---|--|---|
| penetration) Telcordia GR-409EN50575 CPR Cable EuroClass Fire PerformanceDcaEN50575 CPR Cable EuroClass Smoke Rating\$1aEN50575 CPR Cable EuroClass Droplets Ratingd0EN50575 CPR Cable EuroClass Acidity Ratinga1Environmental SpaceLow Smoke Zero Halogen (LSZH)Flame Test ListingNEC OFNR-ST1 (ETL) and c(ETL)Flame Test MethodIEC 60754-2 IEC 61034-2 UL 1666 UL 1685Jacket UV ResistanceUV stabilizedWater Penetration24 h | Storage Temperature | -40 °C to +75 °C (-40 °F to +167 °F) |
| ENSOURCE Cable EuroClass Smoke Ratings1aENSO575 CPR Cable EuroClass Droplets Ratingd0ENS0575 CPR Cable EuroClass Acidity Ratinga1Environmental SpaceLow Smoke Zero Halogen (LSZH)Flame Test ListingNEC OFNR-ST1 (ETL) and c(ETL)Flame Test MethodIEC 60754-2 IEC 61034-2 UL 1666 UL 1685Jacket UV ResistanceUV stabilizedWater Penetration24 h | Cable Qualification Standards | |
| EN50575 CPR Cable EuroClass Droplets Ratingd0EN50575 CPR Cable EuroClass Acidity Ratinga1Environmental SpaceLow Smoke Zero Halogen (LSZH)Flame Test ListingNEC OFNR-ST1 (ETL) and c(ETL)Flame Test MethodIEC 60754-2 IEC 61034-2 UL 1666 UL 1685Jacket UV ResistanceUV stabilizedWater Penetration24 h | EN50575 CPR Cable EuroClass Fire Performance | Dca |
| EN50575 CPR Cable EuroClass Acidity Ratinga1Environmental SpaceLow Smoke Zero Halogen (LSZH)Flame Test ListingNEC OFNR-ST1 (ETL) and c(ETL)Flame Test MethodIEC 60754-2 IEC 61034-2 UL 1666 UL 1685Jacket UV ResistanceUV stabilizedWater Penetration24 h | EN50575 CPR Cable EuroClass Smoke Rating | s1a |
| Environmental SpaceLow Smoke Zero Halogen (LSZH)Flame Test ListingNEC OFNR-ST1 (ETL) and c(ETL)Flame Test MethodIEC 60754-2 IEC 61034-2 UL 1666 UL 1685Jacket UV ResistanceUV stabilizedWater Penetration24 h | EN50575 CPR Cable EuroClass Droplets Rating | d0 |
| Flame Test ListingNEC OFNR-ST1 (ETL) and c(ETL)Flame Test MethodIEC 60754-2 IEC 61034-2 UL 1666 UL 1685Jacket UV ResistanceUV stabilizedWater Penetration24 h | EN50575 CPR Cable EuroClass Acidity Rating | al |
| Flame Test MethodIEC 60754-2 IEC 61034-2 UL 1666 UL 1685Jacket UV ResistanceUV stabilizedWater Penetration24 h | Environmental Space | Low Smoke Zero Halogen (LSZH) |
| Jacket UV ResistanceUV stabilizedWater Penetration24 h | Flame Test Listing | NEC OFNR-ST1 (ETL) and c(ETL) |
| Water Penetration 24 h | Flame Test Method | IEC 60754-2 IEC 61034-2 UL 1666 UL 1685 |
| | Jacket UV Resistance | UV stabilized |
| Water Penetration Test MethodFOTP-82 IEC 60794-1 F5 | Water Penetration | 24 h |
| | Water Penetration Test Method | FOTP-82 IEC 60794-1 F5 |

Environmental Test Specifications

| Heat Age | -40 °C to +85 °C (-40 °F to +185 °F) |
|-------------------------------|--------------------------------------|
| Heat Age Test Method | IEC 60794-1 F9 |
| Low High Bend | -10 °C to +60 °C (+14 °F to +140 °F) |
| Low High Bend Test Method | FOTP-37 IEC 60794-1 E11 |
| Temperature Cycle | -40 °C to +75 °C (-40 °F to +167 °F) |
| Temperature Cycle Test Method | FOTP-3 IEC 60794-1 F1 |
| | |

Packaging and Weights

Cable weight

13 kg/km | 8.736 lb/kft

Included Products

CS-8G-MD

Enhanced Low Macrobending, Low Water Peak, Dispersion-Unshifted Single-mode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

Page 3 of 3

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