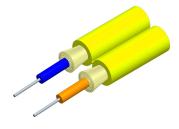
R-002-ZC-8V2-F20YL 760238851 |



Fiber indoor cable, 2.0 mm diameter, Riser rated, Zipcord 2-fiber, Singlemode G.657.B3, Feet jacket marking, Yellow jacket color

Product Classification

| Regional Availability | Asia Australia/New Zealand Latin America Middle East/Africa North America |
|------------------------|--|
| Portfolio | CommScope® |
| Product Type | Fiber indoor cable |
| Product Series | R-ZC |
| General Specifications | |
| Cable Type | Cordage |
| Construction Type | Non-armored |
| Subunit Type | Gel-free |
| Jacket Color | Yellow |
| Jacket Marking | Feet |
| Total Fiber Count | 2 |
| Dimensions | |
| Height Over Jacket | 2 mm 0.079 in |
| Width Over Jacket | 4.1 mm 0.161 in |

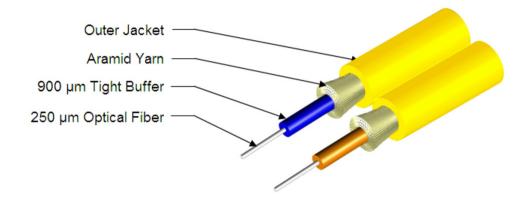
Representative Image

Page 1 of 5

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760238851 | R-002-ZC-8V2-F20YL



Mechanical Specifications

| Minimum Bend Radius, loaded | 38 mm 1.496 in |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, unloaded | 16 mm 0.63 in |
| Tensile Load, long term, maximum | 67 N 15.062 lbf |
| Tensile Load, short term, maximum | 222 N 49.908 lbf |
| Compression | 10 N/mm 57.101 lb/in |
| Compression Test Method | FOTP-41 IEC 60794-1 E3 |
| Flex | 300 cycles |
| Flex Test Method | FOTP-104 IEC 60794-1 E6 |
| Impact | 0.74 N-m 6.55 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 | 500 m 1,640.42 ft |
| Optical Specifications | |

Optical Specifications

 Fiber Type
 G.657.B3
 G.657.B3

Environmental Specifications

Installation temperature

-20 °C to +70 °C (-4 °F to +158 °F)

Page 2 of 5

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760238851 | R-002-ZC-8V2-F20YL

| Operating Temperature | -20 °C to +70 °C (-4 °F to +158 °F) |
|-------------------------------|---------------------------------------|
| Storage Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| Cable Qualification Standards | ANSI/ICEA S-83-596 Telcordia GR-409 |
| Environmental Space | Riser |
| Flame Test Listing | NEC OFNR (ETL) and c(ETL) |
| Flame Test Method | CSA FT4 UL 1666 |

Environmental Test Specifications

| Heat Age | -20 °C to +85 °C (-4 °F to +185 °F) |
|-------------------------------|-------------------------------------|
| Heat Age Test Method | IEC 60794-1 F9 |
| Low High Bend | -20 °C to +70 °C (-4 °F to +158 °F) |
| Low High Bend Test Method | FOTP-37 IEC 60794-1 E11 |
| Temperature Cycle | -20 °C to +70 °C (-4 °F to +158 °F) |
| Temperature Cycle Test Method | FOTP-3 IEC 60794-1 F1 |

Packaging and Weights

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |

Included Products

CS-8V2-TB

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 5

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CS-8V2-TB

Cabled Cutoff Wavelength, maximum

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

| Product Classification | |
|---|---|
| Portfolio | CommScope® |
| Product Type | Optical fiber |
| General Specifications | |
| Cladding Diameter | 125 µm |
| Cladding Diameter Tolerance | ±0.7 μm |
| Cladding Non-Circularity, maximum | 0.5 % |
| Coating Diameter (Colored) | 254 µm |
| Coating Diameter (Uncolored) | 242 µm |
| Coating Diameter Tolerance (Colored) | ±7 μm |
| Coating Diameter Tolerance (Uncolored) | ±7 μm |
| Coating/Cladding Concentricity Error, maximum | 10 µm |
| Core/Clad Offset, maximum | 0.5 μm |
| Proof Test | 689.476 N/mm² 100000 psi |
| Tight Buffer Diameter | 900 µm |
| Tight Buffer Diameter Tolerance | ±40 μm |
| Dimensions | |
| Fiber Curl, minimum | 4 m 13.123 ft |
| Mechanical Specifications | |
| Macrobending, 10 mm Ø mandrel, 1 turn | 0.15 dB @ 1,550 nm 0.45 dB @ 1,625 nm |
| Macrobending, 15 mm Ø mandrel, 1 turn | 0.08 dB @ 1,550 nm 0.25 dB @ 1,625 nm |
| Macrobending, 20 mm Ø mandrel, 1 turn | 0.03 dB @ 1,550 nm 0.10 dB @ 1,625 nm |
| Coating Strip Force, maximum | 8.9 N 2.001 lbf |
| Coating Strip Force, minimum | 1.3 N 0.292 lbf |
| Dynamic Fatigue Parameter, minimum | 20 |
| Optical Specifications | |
| Cabled Cutoff Wayslangth maximum | 1260 pm |

Page 4 of 5

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1260 nm



CS-8V2-TB

| Point Defects, maximum | 0.1 dB |
|---|--|
| Zero Dispersion Slope, maximum | 0.092 ps/[km-nm-nm] |
| Zero Dispersion Wavelength, maximum | 1324 nm |
| Zero Dispersion Wavelength, minimum | 1300 nm |
| Optical Specifications, Wavelength Specific | |
| Attenuation, maximum | 0.50 dB/km @ 1,310 nm 0.50 dB/km @ 1,385 nm 0.50 dB/km @ 1,550 nm |
| Index of Refraction | 1.467 @ 1,310 nm 1.467 @ 1,550 nm |
| Mode Field Diameter | 8.8 μm @ 1,310 nm 9.8 μm @ 1,550 nm |
| Mode Field Diameter Tolerance | ±0.4 μm @ 1310 nm ±0.5 μm @ 1550 nm |
| Polarization Mode Dispersion Link Design Value, maximum | 0.06 ps/sqrt(km) |
| Standards Compliance | ITU-T G.657.B3 |

Environmental Specifications

| Heat Aging, maximum | 0.05 dB/km @ 85 °C |
|---------------------------------------|--------------------|
| Temperature Dependence, maximum | 0.05 dB/km |
| Temperature Humidity Cycling, maximum | 0.05 dB/km |
| Water Immersion, maximum | 0.05 dB/km @ 23 °C |

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |

* Footnotes

| Temperature Dependence, maximum | Temperature dependence is conducted at -60 °C to +85 °C (-76 °F to +185 °F) |
|---------------------------------------|---|
| Temperature Humidity Cycling, maximum | Temperature humidity cycling is conducted at -10 °C to +85 °C (+14 °F to +185 °F) |
| | up to 95% relative humidity |

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