# 760251519   |   N-096-MP-RR-F12YL/8G1/99N/C

Fiber indoor cable, LSZH Riser Rollable Ribbon Dual Rated Backbone, 96 fiber, Singlemode G.657.A2/B2, Feet jacket marking, Yellow jacket color, Cca flame rating

## Product Classification

| | |
|---|---|
| **Regional Availability** | Asia   |   Australia/New Zealand   |   EMEA   |   Latin America   |   North America |
| **Portfolio** | CommScope® |
| **Product Type** | Fiber indoor cable |
| **Product Series** | N-MP |

## General Specifications

| | |
|---|---|
| **Cable Type** | Riser rated low smoke |
| **Construction Type** | Non-armored |
| **Fiber Type, quantity** | 96 |
| **Fibers per Ribbon, quantity** | 12 |
| **Jacket Color** | Yellow |
| **Jacket Marking** | Feet |
| **Subunit Type** | Gel-free |
| **Total Fiber Count** | 96 |

## Dimensions

| | |
|---|---|
| **Diameter Over Jacket** | 7.8 mm   |   0.307 in |

## Representative Image

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Outer Jacket
Aramid Yarn
12 Fiber Rollable Ribbon
250 µm Optical Fiber
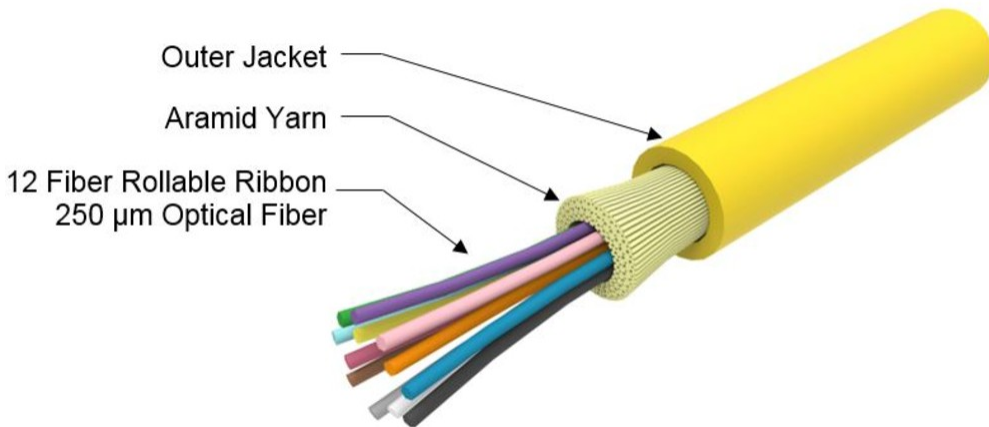
## Mechanical Specifications

| | |
|---|---|
| **Minimum Bend Radius, loaded** | 156 mm   \|   6.142 in |
| **Minimum Bend Radius, unloaded** | 62 mm   \|   2.441 in |
| **Tensile Load, long term, maximum** | 396 N   \|   89.024 lbf |
| **Tensile Load, short term, maximum** | 1320 N   \|   296.748 lbf |
| **Compression** | 10 N/mm   \|   57.101 lb/in |
| **Compression Test Method** | FOTP-41   \|   IEC 60794-1 E3 |
| **Flex** | 25 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 |

## Optical Specifications

| | |
|---|---|
| **Fiber Type** | G.657.A2/B2   \|   G.657.A2/B2 |

## Environmental Specifications

| | |
|---|---|
| **Installation temperature** | -30 °C to +60 °C (-22 °F to +140 °F) |
| **Operating Temperature** | -40 °C to +70 °C (-40 °F to +158 °F) |

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| | |
|---|---|
| **Storage Temperature** | -40 °C to +70 °C (-40 °F to +158 °F) |
| **Cable Qualification Standards** | ANSI/ICEA S-104-696 | Telcordia GR-409 |
| **EN50575 CPR Cable EuroClass Fire Performance** | Cca |
| **EN50575 CPR Cable EuroClass Smoke Rating** | s1a |
| **EN50575 CPR Cable EuroClass Droplets Rating** | d1 |
| **EN50575 CPR Cable EuroClass Acidity Rating** | a1 |
| **Environmental Space** | Low Smoke Zero Halogen (LSZH) | Riser |
| **Flame Test Listing** | NEC OFNR (UL) and c(UL) |
| **Flame Test Method** | FT4 | UL 1666 |

## Environmental Test Specifications

| | |
|---|---|
| **Heat Age** | 0 °C to +85 °C (+32 °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** | -20 °C to +70 °C (-4 °F to +158 °F) |
| **Temperature Cycle Test Method** | FOTP-3 | IEC 60794-1 F1 |

## Packaging and Weights

| | |
|---|---|
| **Cable weight** | 63.4 kg/km | 42.603 lb/kft |

## Regulatory Compliance/Certifications

| Agency | Classification |
|---|---|
| CHINA-ROHS | Below maximum concentration value |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |

## Included Products

| | | |
|---|---|---|
| CS-8G1-RR-MP | – | 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

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