

Fiber indoor cable, LSZH Riser Rollable Ribbon Dual Rated Backbone, 72 fiber, Singlemode G.657.A2/B2, Feet jacket marking, Yellow jacket color, Cca flame rating

## Product Classification

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

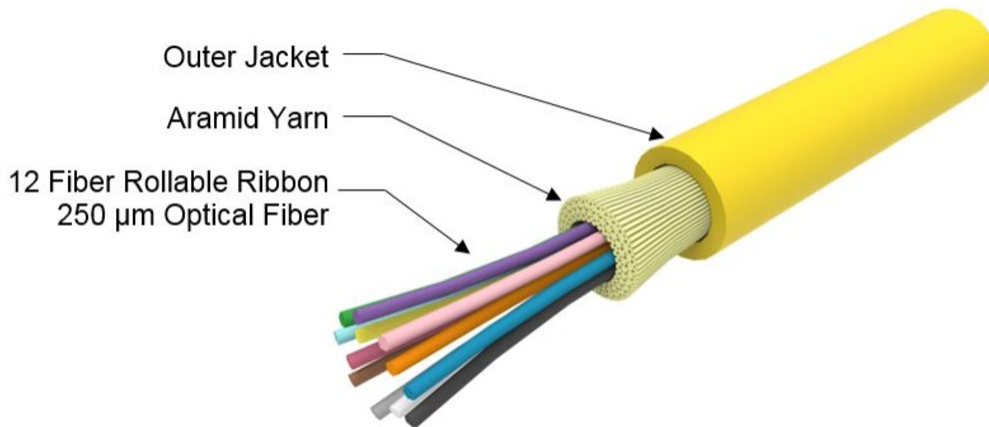
## General Specifications

|                                    |                       |
|------------------------------------|-----------------------|
| <b>Cable Type</b>                  | Riser rated low smoke |
| <b>Construction Type</b>           | Non-armored           |
| <b>Fiber Type, quantity</b>        | 72                    |
| <b>Fibers per Ribbon, quantity</b> | 12                    |
| <b>Jacket Color</b>                | Yellow                |
| <b>Jacket Marking</b>              | Feet                  |
| <b>Subunit Type</b>                | Gel-free              |
| <b>Total Fiber Count</b>           | 72                    |

## Dimensions

|                             |                   |
|-----------------------------|-------------------|
| <b>Diameter Over Jacket</b> | 7.2 mm   0.283 in |
|-----------------------------|-------------------|

## Representative Image



## Mechanical Specifications

|  |                                       |
|--|---------------------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 144 mm   5.669 in                     |
| <b>Minimum Bend Radius, unloaded</b>     | 58 mm   2.283 in                      |
| <b>Tensile Load, long term, maximum</b>  | 396 N   89.024 lbf                    |
| <b>Tensile Load, short term, maximum</b> | 1320 N   296.748 lbf                  |
| <b>Compression</b>                       | 10 N/mm   57.101 lb/in                |
| <b>Compression Test Method</b>           | FOTP-41   IEC 60794-1 E3              |
| <b>Flex</b>                              | 25 cycles                             |
| <b>Flex Test Method</b>                  | FOTP-104   IEC 60794-1 E6             |
| <b>Impact</b>                            | 2.94 N-m   26.021 in lb               |
| <b>Impact Test Method</b>                | FOTP-25   IEC 60794-1 E4              |
| <b>Strain</b>                            | See long and short term tensile loads |
| <b>Strain Test Method</b>                | FOTP-33   IEC 60794-1 E1              |
| <b>Twist</b>                             | 10 cycles                             |
| <b>Twist Test Method</b>                 | FOTP-85   IEC 60794-1 E7              |

## Optical Specifications

|                   |                           |
|-------------------|---------------------------|
| <b>Fiber Type</b> | G.657.A2/B2   G.657.A2/B2 |
|-------------------|---------------------------|

## Environmental Specifications

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

# 760251518 | N-072-MP-RR-F12YL/8G1/99N/C

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

## Environmental Test Specifications

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| <b>Heat Age</b>                      | 0 °C to +85 °C (+32 °F to +185 °F)   |
| <b>Heat Age Test Method</b>          | IEC 60794-1 F9                       |
| <b>Low High Bend</b>                 | -10 °C to +60 °C (+14 °F to +140 °F) |
| <b>Low High Bend Test Method</b>     | FOTP-37   IEC 60794-1 E11            |
| <b>Temperature Cycle</b>             | -20 °C to +70 °C (-4 °F to +158 °F)  |
| <b>Temperature Cycle Test Method</b> | FOTP-3   IEC 60794-1 F1              |

## Packaging and Weights

|                     |                            |
|---------------------|----------------------------|
| <b>Cable weight</b> | 53.3 kg/km   35.816 lb/kft |
|---------------------|----------------------------|

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>  |
|---------------|--|
| CHINA-ROHS    | Below maximum concentration value  |
| REACH-SVHC    | Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| 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