

Fiber indoor cable, Low Smoke Zero Halogen Riser MPO Trunk, with 2.0 mm Subunits, 12 fiber, Singlemode G.657.A2, Gel-free, Feet jacket marking, Green jacket color, Dca 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                                                                |

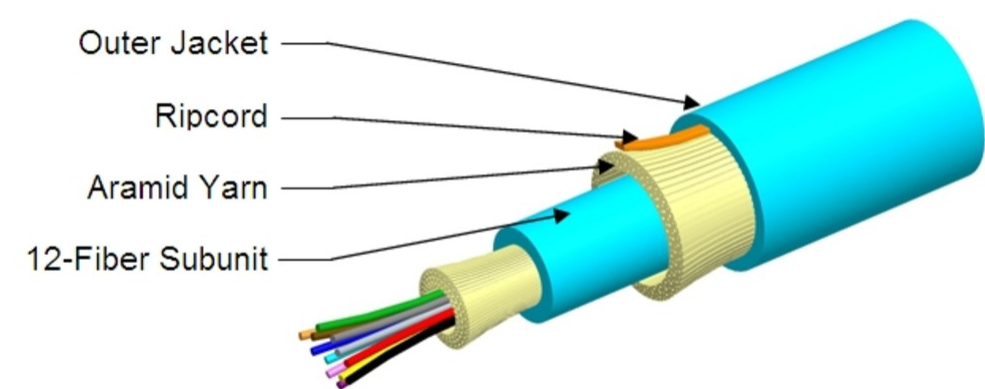
General Specifications

|                   |                 |
|-------------------|-----------------|
| Cable Type        | MPO trunk cable |
| Construction Type | Non-armored     |
| Subunit Type      | Gel-free        |
| Jacket Color      | Green           |
| Jacket Marking    | Feet            |
| Total Fiber Count | 12              |

Dimensions

|                              |                   |
|------------------------------|-------------------|
| Buffer Tube/Subunit Diameter | 2 mm   0.079 in   |
| Diameter Over Jacket         | 4.7 mm   0.185 in |

Representative Image



Mechanical Specifications

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded       | 71 mm   2.795 in                      |
| Minimum Bend Radius, unloaded     | 47 mm   1.85 in                       |
| Tensile Load, long term, maximum  | 133 N   29.9 lbf                      |
| Tensile Load, short term, maximum | 445 N   100.04 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                            | 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            | 500 m   1,640.42 ft                   |

Optical Specifications

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

Environmental Specifications

|                          |                                    |
|--------------------------|------------------------------------|
| Installation temperature | 0 °C to +60 °C (+32 °F to +140 °F) |
|--------------------------|------------------------------------|

# 760255732 | N-012-MP-8G1-F12GR/20T/D

|                                              |                                                             |
|----------------------------------------------|-------------------------------------------------------------|
| Operating Temperature                        | 0 °C to +70 °C (+32 °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                       |
| EN50575 CPR Cable EuroClass Fire Performance | Dca                                                         |
| 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-ST1 (ETL) and c(ETL)                               |
| Flame Test Method                            | IEC 60332-3   IEC 60754-2   IEC 61034-2   UL 1666   UL 1685 |

## 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                 | 0 °C to +60 °C (+32 °F to +140 °F) |
| Low High Bend Test Method     | FOTP-37   IEC 60794-1 E11          |
| Temperature Cycle             | 0 °C to +70 °C (+32 °F to +158 °F) |
| Temperature Cycle Test Method | FOTP-3   IEC 60794-1 F1            |

## Packaging and Weights

|              |                          |
|--------------|--------------------------|
| Cable weight | 23 kg/km   15.455 lb/kft |
|--------------|--------------------------|

## Included Products

|           |   |                                                                                                        |
|-----------|---|--------------------------------------------------------------------------------------------------------|
| CS-8G1-MP | – | Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber (ITU-T G.657.A2, B2) |
|-----------|---|--------------------------------------------------------------------------------------------------------|

## \* Footnotes

|                       |                                                             |
|-----------------------|-------------------------------------------------------------|
| Operating Temperature | Specification applicable to non-terminated bulk fiber cable |
|-----------------------|-------------------------------------------------------------|