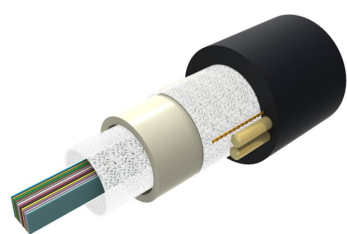


# 760211417 | Z-024-CN-RB-F12NS/8W/99F



Fiber indoor/outdoor Cable, LSZH Riser All-Dielectric Central Tube Ribbon, Singlemode G.652.D and G.657.A1, 24-fiber, feet jacket marking, black jacket color

## Product Classification

|                       |   |
|-----------------------|---|
| Regional Availability | Asia   Australia/New Zealand   EMEA   Latin America   North America |
| Portfolio             | CommScope®  |
| Product Type          | Fiber indoor/outdoor cable  |
| Product Series        | Z-CN  |

## General Specifications

|                             |                     |
|-----------------------------|---------------------|
| Cable Type                  | Ribbon central tube |
| Construction Type           | Non-armored         |
| Subunit Type                | Gel-free            |
| Fibers per Ribbon, quantity | 12                  |
| Jacket Color                | Black               |
| Jacket Marking              | Feet                |
| Total Fiber Count           | 24                  |

## Dimensions

|                              |                  |
|------------------------------|------------------|
| Buffer Tube/Subunit Diameter | 6 mm   0.236 in  |
| Diameter Over Jacket         | 13 mm   0.512 in |

## Representative Image



Mechanical Specifications

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded       | 259.1 mm   10.201 in                  |
| Minimum Bend Radius, unloaded     | 129.5 mm   5.098 in                   |
| Tensile Load, long term, maximum  | 800 N   179.847 lbf                   |
| Tensile Load, short term, maximum | 2670 N   600.24 lbf                   |
| Compression                       | 22 N/mm   125.623 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.652.D and G.657.A1   G.652.D and G.657.A1 |
|------------|---|

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) |
| Storage Temperature      | -40 °C to +75 °C (-40 °F to +167 °F) |

|                               |   |
|-------------------------------|---|
| Cable Qualification Standards | ANSI/ICEA S-104-696   Telcordia GR-20   Telcordia GR-409        |
| Environmental Space           | Aerial, lashed   Buried   Low Smoke Zero Halogen (LSZH)   Riser |
| Flame Test Listing            | NEC OFNR (UL) and c(UL)   |
| Flame Test Method             | UL 1666   |
| Jacket UV Resistance          | UV stabilized   |
| 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                 | -30 °C to +60 °C (-22 °F to +140 °F) |
| Low High Bend Test Method     | FOTP-37   IEC 60794-1 E11            |
| Temperature Cycle             | -40 °C to +70 °C (-40 °F to +158 °F) |
| Temperature Cycle Test Method | FOTP-3   IEC 60794-1 F1              |

## Packaging and Weights

|              |                           |
|--------------|---------------------------|
| Cable weight | 193 kg/km   129.69 lb/kft |
|--------------|---------------------------|

## Regulatory Compliance/Certifications

| Agency        | Classification   |
|---------------|--|
| CHINA-ROHS    | Below maximum concentration value  |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system   |
| REACH-SVHC    | Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant  |
| UK-ROHS       | Compliant  |



## Included Products

|  |
|--|
| CS-8W-RB-I/O – TeraSPEED® Singlemode Fiber Flat Ribbon |
|--|

## \* Footnotes

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