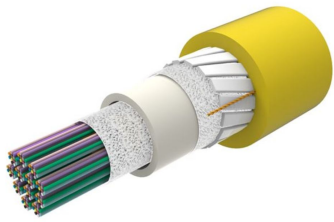# 760253058  |  N-432-CN-RR-F16YL/8G1/99L/200/C

Fiber indoor cable, All-Dielectric, LSZH/Riser-Rated, Gel-Free, Central Tube 200µm Rollable Ribbon, 432 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-CN |

## General Specifications

| | |
|---|---|
| **Cable Type** | Ribbon central tube |
| **Construction Type** | Non-armored |
| **Subunit Type** | Gel-free |
| **Fibers per Ribbon, quantity** | 12 |
| **Jacket Color** | Yellow |
| **Jacket Marking** | Feet |
| **Total Fiber Count** | 432 |

## Dimensions

| | |
|---|---|
| **Buffer Tube/Subunit Diameter** | 9.2 mm  |  0.362 in |
| **Diameter Over Jacket** | 15 mm  |  0.591 in |

## Representative Image

COMMSCOPE®

Flame Retardant Outer Jacket
Strength Elements
Water-Blocking Tape
Ripcords
All-Dry Central Tube
Water-Blocking Tape
Rollable Ribbon
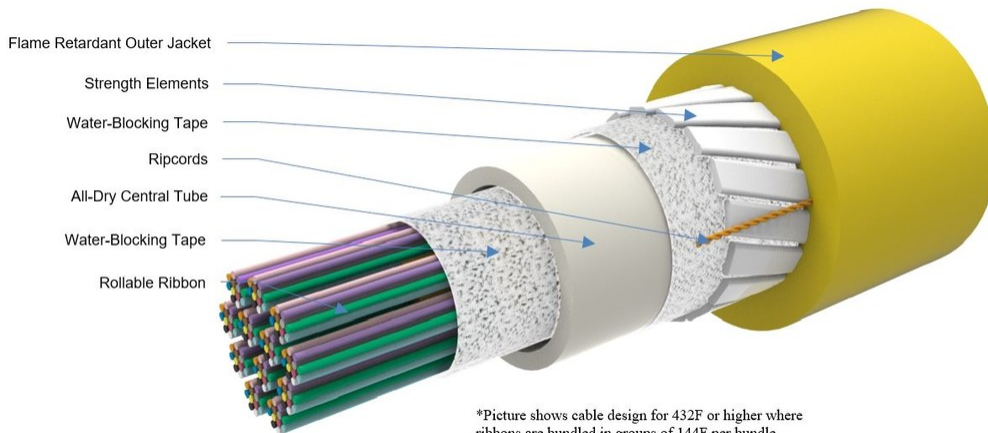
*Picture shows cable design for 432F or higher where
ribbons are bundled in groups of 144F per bundle.
*144F & 288F count designs use water blocking threads
rather than a water blocking tape inside the buffer tube.

## Mechanical Specifications

| | |
|---|---|
| **Minimum Bend Radius, loaded** | 150 mm  \|  5.906 in |
| **Minimum Bend Radius, storage coils** | 450 mm  \|  17.717 in |
| **Minimum Bend Radius, unloaded** | 75 mm  \|  2.953 in |
| **Tensile Load, long term, maximum** | 800 N  \|  179.847 lbf |
| **Tensile Load, short term, maximum** | 2670 N  \|  600.24 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

COMMSCOPE®

| | |
|---|---|
| **Installation temperature** | -20 °C to +60 °C (-4 °F to +140 °F) |
| **Operating Temperature** | -40 °C to +70 °C (-40 °F to +158 °F) |
| **Storage Temperature** | -40 °C to +70 °C (-40 °F to +158 °F) |
| **Cable Qualification Standards** | ANSI/ICEA S-104-696  |  EN 187105  |  Telcordia GR-409 |
| **EN50575 CPR Cable EuroClass Fire Performance** | Cca |
| **EN50575 CPR Cable EuroClass Smoke Rating** | s1b |
| **EN50575 CPR Cable EuroClass Droplets Rating** | d2 |
| **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** | CSA FT4  |  IEC 60332-1-2  |  IEC 60754-2  |  IEC 61034-2  |  UL 1666  |  UL 1685 |
| **Water Penetration** | 24 h |
| **Water Penentration Test Method** | FOTP-82  |  IEC 60794-1 F5 |

## Environmental Test Specifications

| | |
|---|---|
| **Cable Freeze** | -2 °C  |  28.4 °F |
| **Cable Freeze Test Method** | FOTP-98  |  IEC 60794-1 F15 |
| **Heat Age** | -40 °C to +85 °C (-40 °F to +185 °F) |
| **Heat Age Test Method** | IEC 60794-1 F9 |
| **Low High Bend** | -20 °C to +60 °C (-4 °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** | 239 kg/km  |  160.601 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 |
| UK-ROHS | Compliant |

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## Included Products

CS-8G1-200UM-LT — 200 Micron 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

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