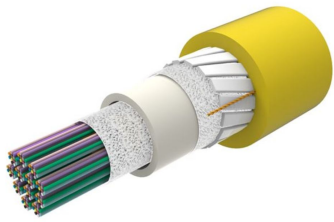


# 760250976 | N-576-CN-RR-F12YL/8G1/99L/200/C



Fiber indoor cable, All-Dielectric, LSZH/Riser-Rated, Gel-Free, Central Tube 200µm Rollable Ribbon, 576 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-CN

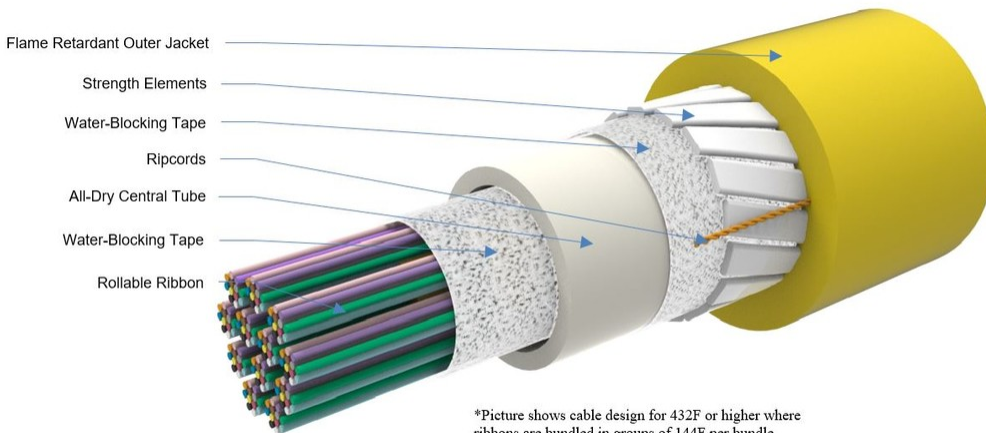
## General Specifications

<b>Cable Type</b>	Ribbon central tube
<b>Construction Type</b>	Non-armored
<b>Subunit Type</b>	Gel-free
<b>Fibers per Ribbon, quantity</b>	12
<b>Jacket Color</b>	Yellow
<b>Jacket Marking</b>	Feet
<b>Total Fiber Count</b>	576

## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	9.2 mm   0.362 in
<b>Diameter Over Jacket</b>	15 mm   0.591 in

## Representative Image



\*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

<b>Minimum Bend Radius, loaded</b>	150 mm   5.906 in
<b>Minimum Bend Radius, storage coils</b>	450 mm   17.717 in
<b>Minimum Bend Radius, unloaded</b>	75 mm   2.953 in
<b>Tensile Load, long term, maximum</b>	800 N   179.847 lbf
<b>Tensile Load, short term, maximum</b>	2670 N   600.24 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
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## Environmental Specifications

# 760250976 | N-576-CN-RR-F12YL/8G1/99L/200/C

<b>Installation temperature</b>	-20 °C to +60 °C (-4 °F to +140 °F)
<b>Operating Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Storage Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Cable Qualification Standards</b>	ANSI/ICEA S-104-696   EN 187105   Telcordia GR-409
<b>EN50575 CPR Cable EuroClass Fire Performance</b>	Cca
<b>EN50575 CPR Cable EuroClass Smoke Rating</b>	s1b
<b>EN50575 CPR Cable EuroClass Droplets Rating</b>	d2
<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-ST1 (ETL) and c(ETL)
<b>Flame Test Method</b>	CSA FT4   IEC 60332-1-2   IEC 60754-2   IEC 61034-2   UL 1666   UL 1685
<b>Water Penetration</b>	24 h
<b>Water Penetration Test Method</b>	FOTP-82   IEC 60794-1 F5

## Environmental Test Specifications

<b>Cable Freeze</b>	-2 °C   28.4 °F
<b>Cable Freeze Test Method</b>	FOTP-98   IEC 60794-1 F15
<b>Heat Age</b>	-40 °C to +85 °C (-40 °F to +185 °F)
<b>Heat Age Test Method</b>	IEC 60794-1 F9
<b>Low High Bend</b>	-20 °C to +60 °C (-4 °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>	239 kg/km   160.601 lb/kft
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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)
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## \* Footnotes

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