

Fiber indoor cable, All-Dielectric, LSZH/Riser-Rated, Gel-Free, Central Tube 200µm Rollable Ribbon, 144 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

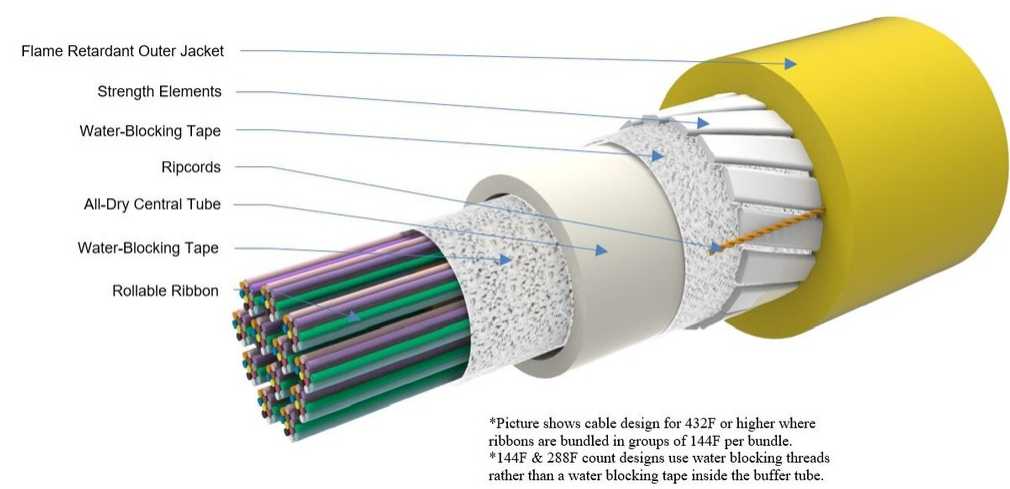
General Specifications

Cable Type	Ribbon central tube
Construction Type	Non-armored
Subunit Type	Gel-free
Fibers per Ribbon, quantity	16
Jacket Color	Yellow
Jacket Marking	Feet
Total Fiber Count	144

Dimensions

Buffer Tube/Subunit Diameter	5 mm   0.197 in
Diameter Over Jacket	9 mm   0.354 in

Representative Image



## Mechanical Specifications

Minimum Bend Radius, loaded	92 mm   3.622 in
Minimum Bend Radius, storage coils	180 mm   7.087 in
Minimum Bend Radius, unloaded	45 mm   1.772 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

760259252 | N-144-CN-RR-F16YL/8G1/99P/200/C

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	s2
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	CSA FT4   IEC 60332-1-2   IEC 60754-2   IEC 61034-2   UL 1666   UL 1685

Environmental Test Specifications

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	61 kg/km   40.99 lb/kft
--------------	-------------------------

Regulatory Compliance/Certifications

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



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

# 760259252 | N-144-CN-RR-F16YL/8G1/99P/200/C

---

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