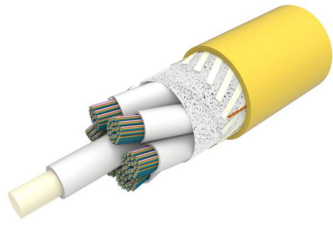# 760259400 | N-864-LN-RR-F12YL/8G/93J/200/C

Fiber indoor cable, All-Dielectric, LSZH Riser-Rated, Gel-Free, Loose Tube Rollable 200µm Ribbon, 864 fiber, Singlemode G.657.A2, Feet jacket marking, Yellow jacket color

Product Classification

Regional Availability	Asia	Australia/New Zealand	EMEA	Latin America	North America
Portfolio	CommScope®
Product Type	Fiber indoor cable
Product Series	N-LN

General Specifications

Cable Type	Ribbon loose tube
Construction Type	Non-armored
Subunit Type	Gel-free
Fibers per Ribbon, quantity	12
Jacket Color	Yellow
Jacket Marking	Feet
Fibers per Subunit, quantity	144
Total Fiber Count	864

Dimensions

Buffer Tube/Subunit Diameter	4.7 mm	0.185 in
Diameter Over Jacket	18.9 mm	0.744 in

Representative Image

COMMSCOPE®

760259400 | N-864-LN-RR-F12YL/8G/93J/200/C

LSZH Outer Jacket
Flexible Strength Elements
Water-Blocking Tape
Ripcord
Gel-Free Buffer Tubes
Rollable Ribbon
Central Strength Member
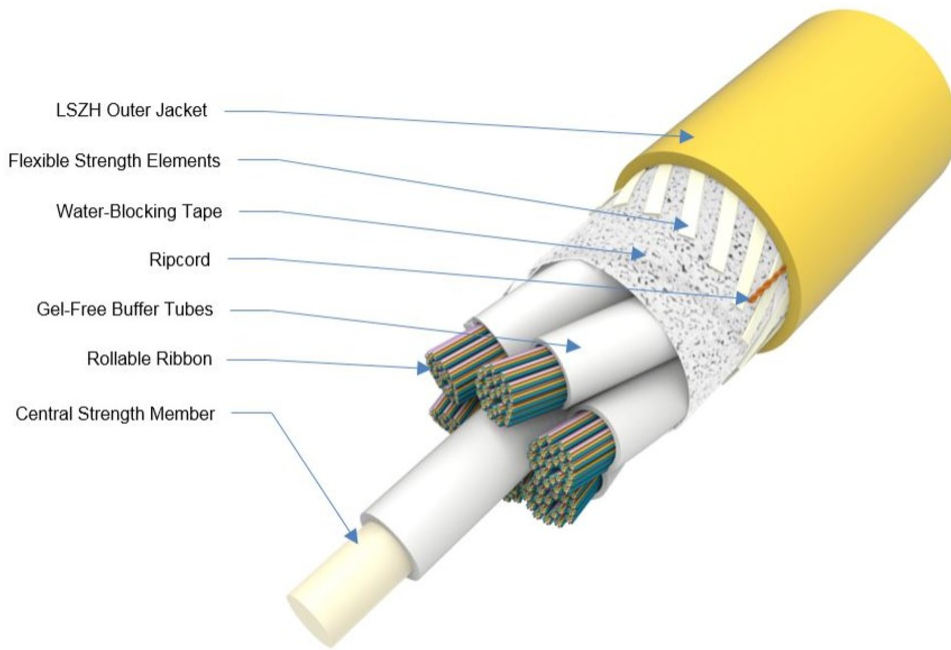
Mechanical Specifications

Minimum Bend Radius, loaded	378 mm | 14.882 in
Minimum Bend Radius, storage coils	189 mm | 7.441 in
Minimum Bend Radius, unloaded	189 mm | 7.441 in
Tensile Load, long term, maximum	800 N | 179.847 lbf
Tensile Load, short term, maximum	2700 N | 606.984 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	4.4 N-m | 38.943 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

COMMSCOPE®

760259400 | N-864-LN-RR-F12YL/8G/93J/200/C

Environmental Specifications

Installation temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Operating Temperature	-30 °C to +70 °C (-22 °F to +158 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Cable Qualification Standards	ANSI/ICEA S-104-696	ANSI/ICEA S-83-596
EN50575 CPR Cable EuroClass Fire Performance	Cca
EN50575 CPR Cable EuroClass Smoke Rating	s1b
EN50575 CPR Cable EuroClass Droplets Rating	d0
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Low Smoke Zero Halogen (LSZH)
Flame Test Listing	NEC OFNR-ST1 (UL) and c(UL)
Flame Test Method	CSA FT4	EN 50399	NEC OFNR-ST1-FT4 c(ETL)us	UL 1666

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	-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	309 kg/km	207.638 lb/kft

Included Products

CS-8G-RR-I/O-200	–	Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted 200um Singlemode Rollable Ribbon Fiber (ITU-T G.657.A2, B2)

* Footnotes

Operating Temperature   Specification applicable to non-terminated bulk fiber cable

COMMSCOPE®