

Fiber indoor/outdoor cable, OFNR/LSZH Riser Rollable Ribbon Dual Rated Backbone, 144 fiber, Singlemode G.657.A2/B2, Feet jacket marking, Black jacket color, Cca flame rating

Product Classification

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

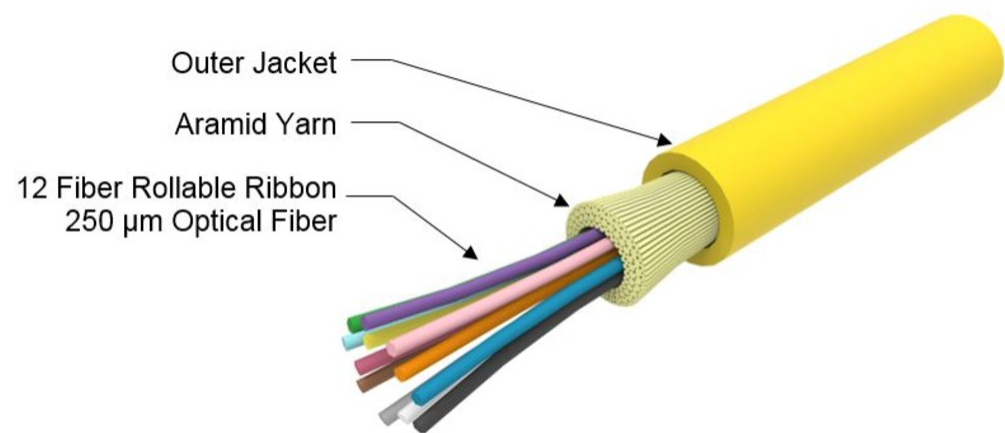
General Specifications

Cable Type	Riser rated low smoke
Construction Type	Non-armored
Subunit Type	Gel-free
Fibers per Ribbon, quantity	12
Jacket Color	Black
Jacket Marking	Feet
Total Fiber Count	144

Dimensions

Diameter Over Jacket	9.2 mm 0.362 in
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Representative Image



Mechanical Specifications

Minimum Bend Radius, loaded	184 mm 7.244 in
Minimum Bend Radius, unloaded	74 mm 2.913 in
Tensile Load, long term, maximum	396 N 89.024 lbf
Tensile Load, short term, maximum	1320 N 296.748 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
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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)

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Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Cable Qualification Standards	ANSI/ICEA S-104-696 Telcordia GR-409
EN50575 CPR Cable EuroClass Fire Performance	Cca
EN50575 CPR Cable EuroClass Smoke Rating	s1a
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 (UL) and c(UL)
Flame Test Method	FT4 UL 1666

Environmental Test Specifications

Heat Age	0 °C to +85 °C (+32 °F to +185 °F)
Heat Age Test Method	IEC 60794-1 F9
Low High Bend	-10 °C to +60 °C (+14 °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	90.6 kg/km 60.88 lb/kft
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Regulatory Compliance/Certifications

Agency	Classification
ANATEL	Compliant
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant



Included Products

CS-8G1-RR-MP	–	Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Rollable Ribbon Fiber (ITU-T G.657.A2, B2)
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* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable