

Fiber indoor cable, All-Dielectric, LSZH/Riser-Rated, Gel-Free, Central Tube Rollable Ribbon, 288 fiber, Singlemode G.657.A2/B2, Feet jacket marking, Yellow jacket color, Cca flame rating

Product Classification

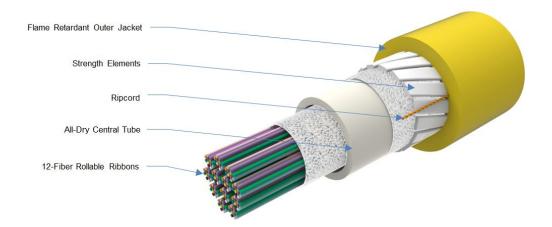
Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Portfolio	CommScope®
Product Type	Fiber indoor cable
Product Series	N-CN
General Specifications	
Cable Type	Ribbon central tube
Construction Type	Non-armored
Subunit Type	Gel-free
Fibers per Ribbon, quantity	12
Jacket Color	Yellow
Jacket Marking	Feet
Total Fiber Count	288
Dimensions	
Buffer Tube/Subunit Diameter	8.1 mm 0.319 in
Diameter Over Jacket	12.5 mm 0.492 in

Representative Image

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Mechanical Specifications

Minimum Bend Radius, storage coils508 mm 20 inMinimum Bend Radius, unloaded77 mm 3.031 inTensile Load, long term, maximum800 N 179.847 lbfTensile Load, short term, maximum2700 N 606.984 lbfCompression10 N/mm 57.101 lb/inCompression Test MethodFOTP-41 IEC 60794-1 E3Flex25 cyclesFlex Test MethodFOTP-104 IEC 60794-1 E6Impact2.94 N-m 26.021 in lbImpact Test MethodFOTP-25 IEC 60794-1 E4StrainSee long and short term tensile loadsStrain Test MethodFOTP-33 IEC 60794-1 E1Twist10 cyclesTwist Test MethodFOTP-85 IEC 60794-1 E7Optical SpecificationsFOTP-85 IEC 60794-1 E7	Minimum Bend Radius, loaded	254 mm 10 in
Tensile Load, long term, maximum800 N 179.847 lbfTensile Load, short term, maximum2700 N 606.984 lbfCompression10 N/mm 57.101 lb/inCompression Test MethodFOTP-41 IEC 60794.1 E3Flex25 cyclesFlex Test MethodFOTP-104 IEC 60794.1 E6Impact2.94 N-m 26.021 in lbImpact Test MethodFOTP-25 IEC 60794.1 E4StrainSee long and short term tensile loadsStrain Test MethodFOTP-33 IEC 60794.1 E1Twist10 cyclesTwist Test MethodFOTP-85 IEC 60794.1 E7Optical Specifications	Minimum Bend Radius, storage coils	508 mm 20 in
Tensile Load, short term, maximum2700 N 606.984 lbfCompression10 N/mm 57.101 lb/inCompression Test MethodFOTP-41 IEC 60794-1 E3Flex25 cyclesFlex Test MethodFOTP-104 IEC 60794-1 E6Impact2.94 N-m 26.021 in lbImpact Test MethodFOTP-25 IEC 60794-1 E4StrainSee long and short term tensile loadsStrain Test MethodFOTP-33 IEC 60794-1 E1Twist10 cyclesTwist Test MethodFOTP-85 IEC 60794-1 E7Optical Specifications	Minimum Bend Radius, unloaded	77 mm 3.031 in
Compression10 N/mm 57.101 lb/inCompression Test MethodFOTP-41 IEC 60794-1 E3Flex25 cyclesFlex Test MethodFOTP-104 IEC 60794-1 E6Impact2.94 N-m 26.021 in lbImpact Test MethodFOTP-25 IEC 60794-1 E4StrainSee long and short term tensile loadsStrain Test MethodFOTP-33 IEC 60794-1 E1Twist10 cyclesTwist Test MethodFOTP-85 IEC 60794-1 E7Optical Specifications	Tensile Load, long term, maximum	800 N 179.847 lbf
Compression Test MethodF0TP-41 IEC 60794-1 E3Flex25 cyclesFlex Test MethodF0TP-104 IEC 60794-1 E6Impact2.94 N-m 26.021 in lbImpact Test MethodF0TP-25 IEC 60794-1 E4StrainSee long and short term tensile loadsStrain Test MethodF0TP-33 IEC 60794-1 E1Twist10 cyclesTwist Test MethodF0TP-85 IEC 60794-1 E7Optical SpecificationsCorporations	Tensile Load, short term, maximum	2700 N 606.984 lbf
Flex25 cyclesFlex Test MethodFOTP-104 IEC 607941 E6Impact2.94 N-m 26.021 in lbImpact Test MethodFOTP-25 IEC 607941 E4StrainSee long and short term tensile loadsStrain Test MethodFOTP-33 IEC 607941 E1Twist10 cyclesTwist Test MethodFOTP-85 IEC 607941 E7Optical Specifications	Compression	10 N/mm 57.101 lb/in
Flex Test MethodFOTP-104 IEC 60794-1 E6Impact2.94 N-m 26.021 in lbImpact Test MethodFOTP-25 IEC 60794-1 E4StrainSee long and short term tensile loadsStrain Test MethodFOTP-33 IEC 60794-1 E1Twist10 cyclesTwist Test MethodFOTP-85 IEC 60794-1 E7Optical Specifications	Compression Test Method	FOTP-41 IEC 60794-1 E3
Impact2.94 N-m 26.021 in lbImpact Test MethodFOTP-25 IEC 60794-1 E4StrainSee long and short term tensile loadsStrain Test MethodFOTP-33 IEC 60794-1 E1Twist10 cyclesTwist Test MethodFOTP-85 IEC 60794-1 E7Optical Specifications	Flex	25 cycles
Impact Test MethodFOTP-25 IEC 60794-1 E4StrainSee long and short term tensile loadsStrain Test MethodFOTP-33 IEC 60794-1 E1Twist10 cyclesTwist Test MethodFOTP-85 IEC 60794-1 E7Optical Specifications	Flex Test Method	FOTP-104 IEC 60794-1 E6
StrainSee long and short term tensile loadsStrain Test MethodFOTP-33 IEC 60794-1 E1Twist10 cyclesTwist Test MethodFOTP-85 IEC 60794-1 E7Optical Specifications	Impact	2.94 N-m 26.021 in lb
Strain Test MethodFOTP-33 IEC 60794-1 E1Twist10 cyclesTwist Test MethodFOTP-85 IEC 60794-1 E7Optical Specifications	Impact Test Method	FOTP-25 IEC 60794-1 E4
Twist10 cyclesTwist Test MethodFOTP-85 IEC 60794-1 E7Optical Specifications	Strain	See long and short term tensile loads
Twist Test MethodFOTP-85 IEC 60794-1 E7Optical Specifications	Strain Test Method	FOTP-33 IEC 60794-1 E1
Optical Specifications	Twist	10 cycles
	Twist Test Method	FOTP-85 IEC 60794-1 E7
Fiber Type G.657.A2/B2 G.657.A2/B2	Optical Specifications	
	Fiber Type	G.657.A2/B2 G.657.A2/B2

Environmental Specifications

Installation temperature

-20 °C to +60 °C (-4 °F to +140 °F)

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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	Сса
EN50575 CPR Cable EuroClass Smoke Rating	sla
EN50575 CPR Cable EuroClass Droplets Rating	d0
EN50575 CPR Cable EuroClass Acidity Rating	al
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 Penentration	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

168 kg/km | 112.891 lb/kft

Regulatory Compliance/Certifications

Agency	Classification

CENELEC ISO 9001:2015 EN 50575 compliant, Declaration of Performance (DoP) available Designed, manufactured and/or distributed under this quality management system



Included Products

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COMMSCOPE[®]

CS-8G-RR-INDOOR

Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Rollable Ribbon Fiber (ITU-T G.657.A2, B2)

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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