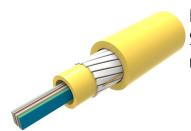# 760212175 | N-048-CN-RB-F12YL/8W/99E

Fiber Indoor Cable, LSZH Riser, All-Dielectric, Central Tube Ribbon, Singlemode, G.652.D and G.657.A1, 48 Fibers, Gel-free, 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-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	48

Dimensions

Buffer Tube/Subunit Diameter	6 mm	0.236 in
Diameter Over Jacket	9.4 mm	0.37 in

Representative Image

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760212175 | N-048-CN-RB-F12YL/8W/99E

Flame Retardant Outer Jacket
Strength Rods
Ripcord
All-Dry Central Tube
Ribbon Stack

Mechanical Specifications

Minimum Bend Radius, loaded	188 mm	7.402 in
Minimum Bend Radius, unloaded	94 mm	3.701 in
Tensile Load, long term, maximum	334 N	75.086 lbf
Tensile Load, short term, maximum	1335 N	300.12 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.652.D and G.657.A1	G.652.D and G.657.A1

Environmental Specifications

Installation temperature	0 °C to +70 °C (+32 °F to +158 °F)
Operating Temperature	-20 °C to +70 °C (-4 °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-83-596	Telcordia GR-409
Environmental Space	Low Smoke Zero Halogen (LSZH)	Riser
Flame Test Listing	NEC OFNR-ST1 (UL) and c(UL)
Flame Test Method	IEC 60332-3	IEC 60754-2	IEC 61034-2	UL 1666	UL 1685

Environmental Test Specifications

Heat Age	-20 °C to +85 °C (-4 °F to +185 °F)
Heat Age Test Method	IEC 60794-1 F9
Low High Bend	-20 °C to +70 °C (-4 °F to +158 °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 kg/km	60.477 lb/kft

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

Included Products

CS-8W-RB-INDOOR   −   TeraSPEED® Singlemode Fiber Flat Ribbon

* Footnotes

Operating Temperature   Specification applicable to non-terminated bulk fiber cable

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