760250982 | Z-3456-LN-RR-F12BK/8G1/99L/200/C

Fiber indoor/outdoor cable, LSZH Rollable Ribbon with 200um Fibers, 3456 fiber, Singlemode G.657.A2, Gel-free, Feet jacket marking, Black jacket color, Cca flame rating

Product Classification

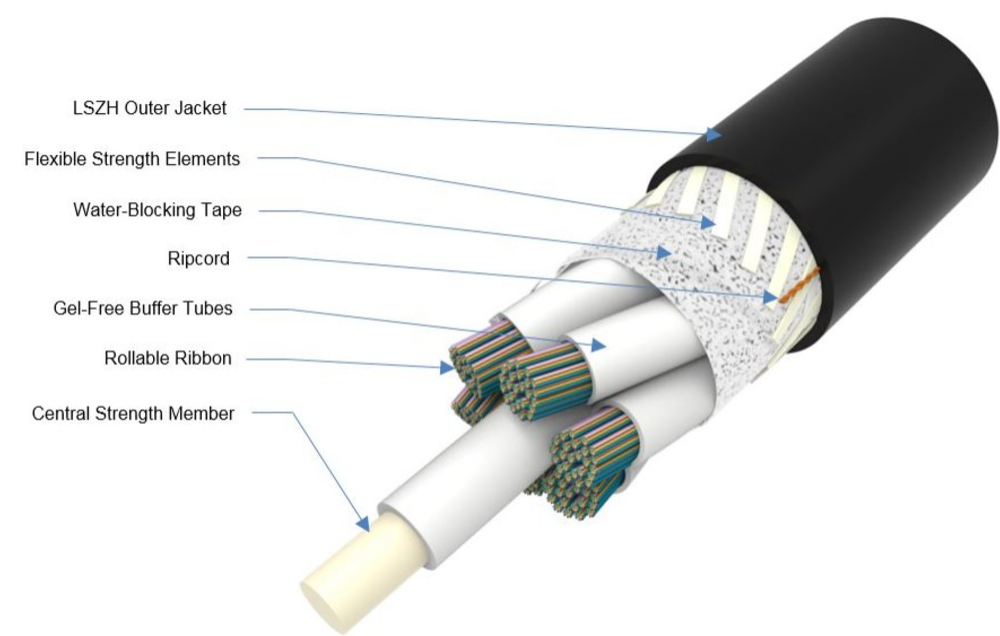|	
Regional Availability	Asia	Australia/New Zealand	EMEA	Latin America	North America
Portfolio	CommScope®
Product Type	Fiber indoor/outdoor cable
Product Series	Z-LN

General Specifications

Cable Type	Ribbon loose tube
Construction Type	Non-armored
Subunit Type	Gel-free
Fibers per Ribbon, quantity	12
Jacket Color	Black
Jacket Marking	Feet
Fibers per Subunit, quantity	576
Total Fiber Count	3456

Dimensions

Buffer Tube/Subunit Diameter	7.5 mm	0.295 in
Diameter Over Jacket	27.5 mm	1.083 in

Representative Image

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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	412 mm | 16.22 in
Minimum Bend Radius, storage coils	412 mm | 16.22 in
Minimum Bend Radius, unloaded	412 mm | 16.22 in
Tensile Load, long term, maximum	800 N | 179.847 lbf
Tensile Load, short term, maximum	2669 N | 600.015 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 | G.657.A2, TeraSPEED®

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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)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Cable Qualification Standards	ANSI/ICEA S-87-640	Telcordia GR-20-CORE Issue 4
EN50575 CPR Cable EuroClass Fire Performance	Cca
EN50575 CPR Cable EuroClass Smoke Rating	s1b
EN50575 CPR Cable EuroClass Droplets Rating	d1
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	UL 1666
Jacket UV Resistance	UV stabilized
Water Penetration	24 h
Water Penetration 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	-30 °C to +60 °C (-22 °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	800 kg/km	537.575 lb/kft

Regulatory Compliance/Certifications

Agency	Classification
ANATEL	Compliant

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Included Products

CS-8G1-RR-I/O   –   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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