

760255144 | Z-3456-LZ-RR-F12BK/8G1/99L/200

Fiber Indoor/Outdoor cable, Interlocking Armored, LSZH, Gel-Free, 3456 fiber, Singlemode G.657.
A2, Rollable Ribbon with 200um Fibers, Feet jacket marking, Black jacket color

Product Classification

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

General Specifications

Cable Type	Ribbon loose tube
Construction Type	Armored Rollable ribbon
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 Armor	33.7 mm 1.327 in
Diameter Over Jacket	35.7 mm 1.406 in

Mechanical Specifications

Minimum Bend Radius, loaded	536 mm 21.102 in
Minimum Bend Radius, storage coils	536 mm 21.102 in
Minimum Bend Radius, unloaded	357 mm 14.055 in
Tensile Load, long term, maximum	800 N 179.847 lbf
Tensile Load, short term, maximum	2670 N 600.24 lbf
Compression	22 N/mm 125.623 lb/in
Compression Test Method	FOTP-41 IEC 60794-1 E3

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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-104-696 Telcordia GR-20-CORE Issue 4
Environmental Space	Low Smoke Zero Halogen (LSZH)
Flame Test Listing	NEC OFCR-ST1 (ETL) and c(ETL)
Flame Test Method	CSA FT4 UL 1666 UL 1685
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

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Packaging and Weights

Cable weight1143 kg/km | 768.061 lb/kft

Regulatory Compliance/Certifications

AgencyClassification

ANATELCompliant



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 TemperatureSpecification applicable to non-terminated bulk fiber cable