

Fiber indoor/outdoor cable, LazrSPEED® Riser/LSZH rated, Distribution, interlocking aluminum armored, Multimode OM4, 6 fiber single-unit, Gel-free, 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-DZ
General Specifications	
Armor Type	Interlocking aluminum
Cable Type	Distribution
Construction Type	Armored
Jacket Color	Black
Jacket Marking	Feet
Total Fiber Count	6
Dimensions	
Diameter Over Armor	10.8 mm 0.425 in
Diameter Over Jacket	12.8 mm 0.504 in

Representative Image

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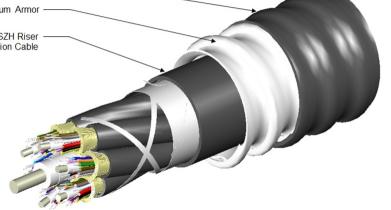
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LSZH Outer Jacket -

Interlocking Aluminum Armor

Internal Indoor/Outdoor LSZH Riser **Distribution Cable**



Mechanical Specifications

Minimum Bend Radius, loaded	192 mm 7.559 in
Minimum Bend Radius, unloaded	128 mm 5.039 in
Tensile Load, long term, maximum	400 N 89.924 lbf
Tensile Load, short term, maximum	1335 N 300.12 lbf
Compression	85 N/mm 485.363 lb/in
Compression Test Method	FOTP-41 IEC 60794-1 E3
Flex	25 cycles
Flex Test Method	FOTP-104 IEC 60794-1 E6
Impact	35 N-m 309.776 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
Vertical Rise, maximum	289 m 948.163 ft
Ontical Specifications	

Optical Specifications

Fiber Type

OM4, LazrSPEED® 550 | OM4, LazrSPEED® 550

Environmental Specifications

Installation temperature

-30 °C to +60 °C (-22 °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 +75 °C (-40 °F to +167 °F)
Cable Qualification Standards	ANSI/ICEA S-104-696 EN 187105 Telcordia GR-20 (water penetration for internal cable) Telcordia GR-409
Environmental Space	Low Smoke Zero Halogen (LSZH) Riser
Flame Test Listing	NEC OFCR-ST1 (ETL) and c(ETL)
Flame Test Method	IEC 60332-3 IEC 60754-2 IEC 61034-2 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 Test Method	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	-40 °C to +70 °C (-40 °F to +158 °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

141 kg/km | 94.748 lb/kft

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant



Included Products

CS-5K-TB

- LazrSPEED® 550 OM4 Bend-Insensitive Multimode

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Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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