

760010371 | Z-048-DS-5L-FMUBK



Fiber Indoor/Outdoor cable, LazrSPEED®, Low Smoke Zero Halogen Riser Distribution Cable, 48 fi, Gel-free, Multimode OM3, ber multi-unit with 12 fiber subunits, 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-DS

General Specifications

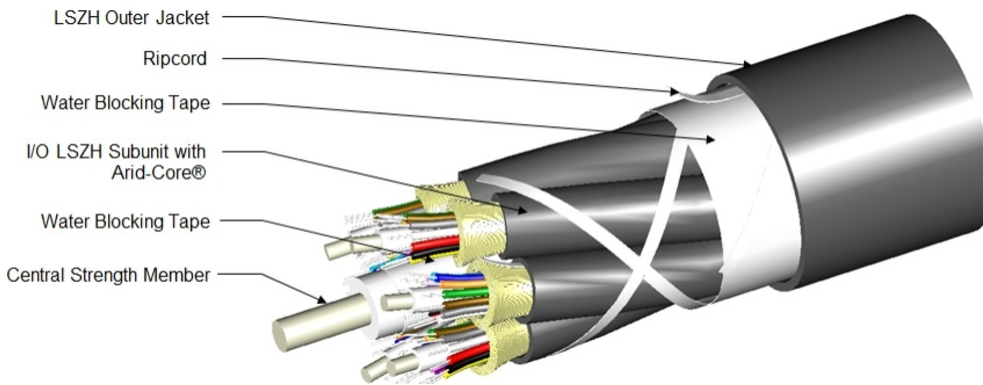
Cable Type	Distribution
Construction Type	Non-armored
Subunit Type	Gel-free
Jacket Color	Black
Jacket Marking	Feet
Subunit, quantity	4
Fibers per Subunit, quantity	12
Total Fiber Count	48

Dimensions

Buffer Tube/Subunit Diameter	7.2 mm 0.283 in
Diameter Over Jacket	19.5 mm 0.768 in

Representative Image

760010371 | Z-048-DS-5L-FMUBK



Mechanical Specifications

Minimum Bend Radius, loaded	292 mm 11.496 in
Minimum Bend Radius, unloaded	195 mm 7.677 in
Tensile Load, long term, maximum	1068 N 240.096 lbf
Tensile Load, short term, maximum	3560 N 800.32 lbf
Compression	22 N/mm 125.623 lb/in
Compression Test Method	FOTP-41 IEC 60794-1 E3
Flex	100 cycles
Flex Test Method	FOTP-104 IEC 60794-1 E6
Impact	5.88 N-m 52.042 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	354 m 1,161.417 ft

Optical Specifications

Fiber Type	OM3, LazrSPEED® 300 OM3, LazrSPEED® 300
-------------------	---

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 +75 °C (-40 °F to +167 °F)

760010371 | Z-048-DS-5L-FMUBK

Cable Qualification Standards

ANSI/ICEA S-104-696 | EN 187105 | Telcordia GR-20 (water penetration) | Telcordia GR-409

Environmental Space

Low Smoke Zero Halogen (LSZH) | Riser

Flame Test Listing

NEC OFNR-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

307 kg/km | 206.294 lb/kft

Regulatory Compliance/Certifications

Agency

Classification

CENELEC

EN 50575 compliant, Declaration of Performance (DoP) available

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-5L-TB – LazrSPEED® 300 OM3 Bend-Insensitive Multimode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable