

LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk Cable, 12 fiber

Product Classification

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America | North

America

Portfolio CommScope®

Product Type Fiber indoor cable

Product Series N-MP

General Specifications

Cable TypeMPO trunk cable

Construction Type Non-armored

Subunit Type Gel-free

Jacket Color Blue

Jacket Marking Feet

Total Fiber Count 12

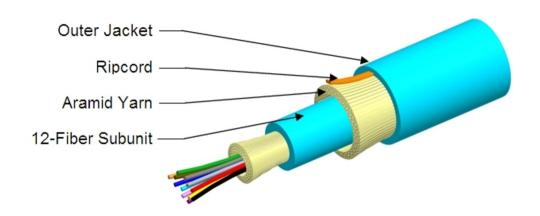
Dimensions

Buffer Tube/Subunit Diameter 3 mm | 0.118 in

Diameter Over Jacket 5.4 mm | 0.213 in

Representative Image





Mechanical Specifications

Tensile Load, long term, maximum

Minimum Bend Radius, loaded 81 mm | 3.189 in

Minimum Bend Radius, unloaded 54 mm | 2.126 in

667 N | 149.948 lbf

Tensile Load, short term, maximum 10 N/mm | 57.101 lb/in Compression

FOTP-41 | IEC 60794-1 E3 **Compression Test Method**

Flex 300 cycles

Flex Test Method FOTP-104 | IEC 60794-1 E6

2.94 N-m | 26.021 in lb **Impact**

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 500 m | 1,640.42 ft

Optical Specifications

Fiber Type OM4, LazrSPEED® 550 | OM4, LazrSPEED® 550

200 N | 44.962 lbf

Environmental Specifications

-20 °C to +60 °C (-4 °F to +140 °F) Installation temperature

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Operating Temperature $-20 \, ^{\circ}\text{C} \text{ to } +70 \, ^{\circ}\text{C} \, (-4 \, ^{\circ}\text{F to } +158 \, ^{\circ}\text{F})$

Storage Temperature $-40 \,^{\circ}\text{C}$ to $+70 \,^{\circ}\text{C}$ (-40 $^{\circ}\text{F}$ to $+158 \,^{\circ}\text{F}$)

Cable Qualification Standards ANSI/ICEA S-83-596 | Telcordia GR-409

EN50575 CPR Cable EuroClass Fire Performance Dca
EN50575 CPR Cable EuroClass Smoke Rating s1a
EN50575 CPR Cable EuroClass Droplets Rating d1
EN50575 CPR Cable EuroClass Acidity Rating a1

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

Environmental Test Specifications

Heat Age $-20 \,^{\circ}\text{C}$ to $+85 \,^{\circ}\text{C}$ $(-4 \,^{\circ}\text{F}$ to $+185 \,^{\circ}\text{F})$

Heat Age Test Method IEC 60794-1 F9

Low High Bend $-20 \,^{\circ}\text{C}$ to $+70 \,^{\circ}\text{C}$ (-4 °F to $+158 \,^{\circ}\text{F}$)Low High Bend Test MethodFOTP-37 | IEC 60794-1 E11Temperature Cycle $-20 \,^{\circ}\text{C}$ to $+70 \,^{\circ}\text{C}$ (-4 °F to $+158 \,^{\circ}\text{F}$)

Temperature Cycle Test Method FOTP-3 | IEC 60794-1 F1

Packaging and Weights

Cable weight 28 kg/km | 18.815 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-5K-MP – LazrSPEED® 550 OM4 Bend-Insensitive Multimode

COMMSCOPE®

Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable