760217877 | R-006-LZ-8W-F06BK/25D



Fiber Indoor/Outdoor cable, Riser Rated, Singlemode G.652.D and G.657. A1, Gel-Free, 6 fiber, Stranded Loose Tube with Aluminum Interlocking Armor containing a Riser Rated Outer Jacket, Black jacket color, Feet cable marking

Product Classification

PortfolioCommScope®Product TypeFiber indoor/outdoor cableProduct SeriesR-LZGeneral SpecificationsInterlocking aluminum
Product Series R-LZ General Specifications R-LZ
General Specifications
Armor Type Interlocking aluminum
Cable Type Stranded loose tube
Construction Type Armored
Subunit Type Gel-free
Filler, quantity 4
Jacket Color Black
Jacket Marking Feet
Subunit, quantity 1
Fibers per Subunit, quantity6
Total Fiber Count 6
Dimensions
Buffer Tube/Subunit Diameter2.5 mm 0.098 in
Diameter Over Armor 18.4 mm 0.724 in
Diameter Over Jacket 20.5 mm 0.807 in

Representative Image

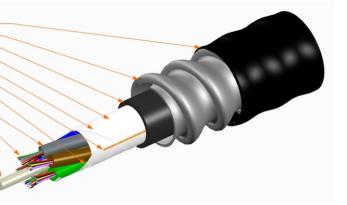
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Mechanical Specifications

Minimum Bend Radius, loaded	409 mm 16.102 in
Minimum Bend Radius, unloaded	286 mm 11.26 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	125 m 410.105 ft
Optical Specifications	

Fiber Type

Environmental Specifications

Installation temperature	-10 °C to +60 °C (+14 °F to +140 °F)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)

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G.652.D and G.657.A1, TeraSPEED®



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Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Cable Qualification Standards	ANSI/ICEA S-104-696 EN 187105 Telcordia GR-409
Environmental Space	Riser
Flame Test Listing	NEC OFCR (ETL) and c(ETL)
Flame Test Method	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

320 kg/km | 215.03 lb/kft

Regulatory Compliance/Certifications

Agency Classification

ISO 9001:2015

Designed, manufactured and/or distributed under this quality management system

Included Products

CS-8W-LT – TeraSPEED® G652D/G657A1 Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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