760112417 | R-006-LN-8W-F06BK/25D/LTS



TeraSPEED® Indoor/Outdoor, Light Duty, Single Jacket, Riser Rated, Gel-Free, All-Dielectric Outdoor Stranded Loose Tube Cable

Product Classification

Regional Availability

Asia | Australia/New Zealand | Latin America | Middle East/Africa | North

America

Portfolio CommScope®

Product Type Fiber indoor/outdoor cable

General Specifications

Cable Type Stranded loose tube

Construction Type Non-armored

Fiber Type, quantity 6

Fibers per Subunit, quantity 6

Filler, quantity 3

Jacket Color Black

Subunit Type Gel-free

Subunit, quantity 1

Total Fiber Count 6

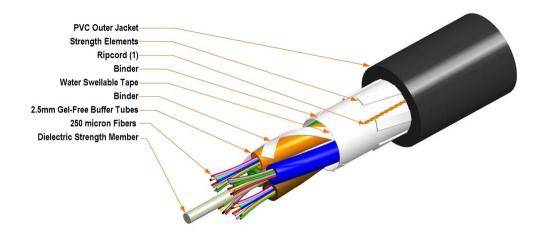
Dimensions

Buffer Tube/Subunit Diameter 2.5 mm | 0.098 in Diameter Over Jacket 10.4 mm | 0.409 in

Representative Image



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Mechanical Specifications

Minimum Bend Radius, loaded157 mm | 6.181 inMinimum Bend Radius, unloaded104 mm | 4.094 inTensile Load, long term, maximum400 N | 89.924 lbfTensile Load, short term, maximum1335 N | 300.12 lbf

 Compression
 22 N/mm | 125.623 lb/in

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

Flex 35 cycles

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

 Impact
 2.94 N-m | 26.021 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 436 m | 1,430.446 ft

Optical Specifications

Fiber Type G.652.D and G.657.A1, TeraSPEED® | G.652.D and G.657.A1,

TeraSPEED® | OS2 | OS2

Environmental Specifications

Installation temperature -30 °C to +70 °C (-22 °F to +158 °F)

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Operating Temperature -40 °C to +70 °C (-40 °F to +158 °F)

Storage Temperature $-40 \,^{\circ}\text{C}$ to $+75 \,^{\circ}\text{C}$ (-40 $^{\circ}\text{F}$ to $+167 \,^{\circ}\text{F}$)

Cable Qualification Standards ANSI/ICEA S-104-696 | EN 187105

Environmental Space Riser

Flame Test Listing NEC OFNR (ETL) and c(ETL)

Flame Test Method UL 1666

Jacket UV Resistance UV stabilized

Water Penentration 24 h

Water Penentration 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 94 kg/km | 63.165 lb/kft

Regulatory Compliance/Certifications

Agency Classification

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system



Included Products

CS-8W-IOLT - TeraSPEED® OS2 Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

COMMSC PE°