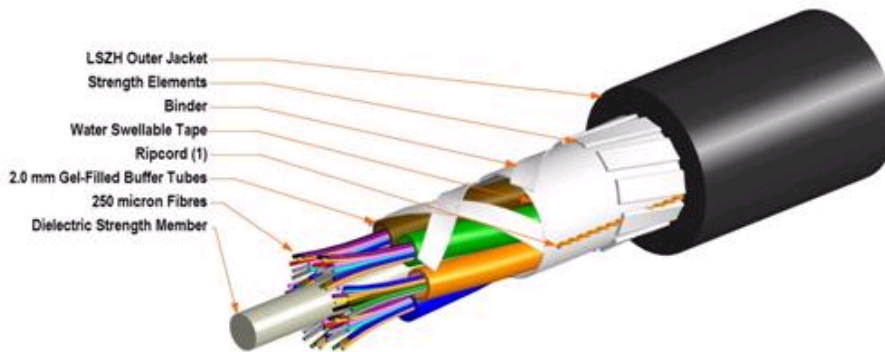


760091769 | Z-048-LN-8W-F12BK/20G

**Indoor/Outdoor Low Smoke Zero Halogen Single Jacket All-Dielectric Riser Rated Stranded Loose Tube Arid Core® Cable**

## Representative Image



## General Specifications

Cable Type	Stranded loose tube
Construction Type	Non-armored
Subunit Type	Gel-filled

## Construction Materials

Fiber Type Solution	TeraSPEED®, zero water peak singlemode fiber
Total Fiber Quantity	48
Fiber Type	TeraSPEED®, zero water peak singlemode fiber
Fiber Type, quantity	48
Fibers Per Subunit, quantity	12
Jacket Color	Black
Jacket UV Resistance	UV stabilized

## Dimensions

Buffer Tube/Subunit Diameter	2.00 mm   0.08 in
Cable Weight	85.0 lb/kft   127.0 kg/km
Diameter Over Jacket	11.00 mm   0.43 in
Filler, quantity	2
Subunit, quantity	4

## Physical Specifications

Minimum Bend Radius, loaded	16.5 cm   6.5 in
Minimum Bend Radius, unloaded	11.0 cm   4.3 in

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Tensile Load, long term, maximum 180 lbf | 800 N  
Tensile Load, short term, maximum 2700 N | 607 lbf  
Vertical Rise, maximum 643.0 m | 2109.6 ft

## Flame Test Specifications

Flame Test Listing NEC OFNR-LS (ETL) and c(ETL)  
Flame Test Method IEC 60332-3 | IEC 60754-2 | IEC 61034-2 | IEEE 383 | UL 1666 | UL 1685

## Environmental Specifications

Environmental Space Aerial, lashed | Buried | Low Smoke Zero Halogen (LSZH) | Riser  
Installation Temperature -30 °C to +70 °C (-22 °F to +158 °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)

## Mechanical Test Specifications

Compression 125 lb/in | 22 N/mm  
Compression Test Method FOTP-41 | IEC 60794-1-2, Section 7  
Flex 35 cycles  
Flex Test Method FOTP-24 | IEC 60794-1-2, Section 10  
Impact 2.17 ft lb | 2.94 N-m  
Impact Test Method FOTP-25 | IEC 60794-1-2, Section 8  
Strain See long and short term tensile loads  
Strain Test Method FOTP-33 | IEC 60794-1-2, Section 5  
Twist 10 cycles  
Twist Test Method FOTP-85 | IEC 60794-1-2, Section 11  
Water Penetration 24 h  
Water Penetration Test Method FOTP-82 | IEC 60794-1-2, Section 24

## Environmental Test Specifications

Cable Freeze -2 °C | 28 °F  
Cable Freeze Test Method FOTP-98  
Drip 70 °C | 158 °F  
Drip Test Method FOTP-81 | IEC 60794-1-2, Section 17  
Heat Age -40 °C to +85 °C (-40 °F to +185 °F)  
Heat Age Test Method Not applicable  
Low High Bend -30 °C to +60 °C (-22 °F to +140 °F)  
Low High Bend Test Method FOTP-28 | IEC 60794-1-2, Section 28  
Temperature Cycle -40 °C to +70 °C (-40 °F to +158 °F)  
Temperature Cycle Test Method FOTP-3 | IEC 60794-1-2, Section 22

## Qualification Specifications

Cable Qualification Standards ANSI/ICEA S-104-696-2001 | EN 187105 | Telcordia GR -409-CORE Issue 2

## Regulatory Compliance/Certifications

Agency	Classification
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# Product Specifications

COMMSCOPE®

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RoHS 2002/95/EC      Compliant  
ISO 9001:2008        Designed, manufactured and/or distributed under this quality management system



## Included Products

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CS-8W-IOLT (Product Component—not orderable) — TeraSPEED® OS2 Singlemode Fiber