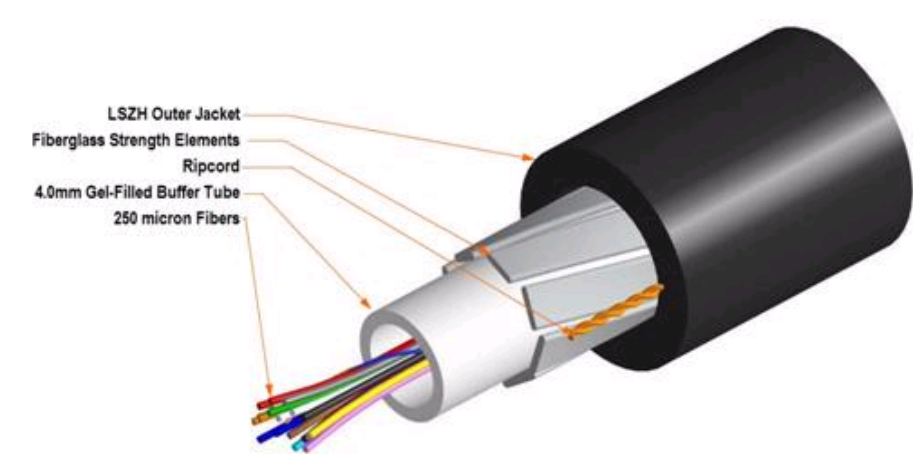




760083303 | Z-006-DN-8W-F06BK

Indoor/Outdoor Low Smoke Zero Halogen Single Jacket All-Dielectric Arid-Core Drop Cable

Representative Image



General Specifications

Cable Type	Riser rated low smoke
Construction Type	Non-armored
Subunit Type	Gel-filled

Construction Materials

Fiber Type Solution	TeraSPEED®, zero water peak singlemode fiber
Total Fiber Quantity	6
Fiber Type	TeraSPEED®, zero water peak singlemode fiber
Fiber Type, quantity	6
Fibers Per Subunit, quantity	6
Jacket Color	Black
Jacket UV Resistance	UV stabilized

Dimensions

Buffer Tube/Subunit Diameter	4.00 mm   0.16 in
Cable Weight	48.0 lb/kft   72.0 kg/km
Diameter Over Jacket	8.30 mm   0.33 in
Subunit, quantity	1

Physical Specifications

Minimum Bend Radius, loaded	12.5 cm   4.9 in
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Minimum Bend Radius, unloaded	8.3 cm   3.3 in
Tensile Load, long term, maximum	400 N   90 lbf
Tensile Load, short term, maximum	1334 N   300 lbf
Vertical Rise, maximum	572.0 m   1876.6 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	-20 °C to +70 °C (-4 °F to +158 °F)
Operating Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)

## Mechanical Test Specifications

Compression	10 N/mm   57 lb/in
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 Test Method	Not applicable
Low High Bend	-20 °C to +60 °C (-4 °F to +140 °F)
Low High Bend Test Method	FOTP-28   IEC 60794-1-2, Section 28
Temperature Cycle	-20 °C to +70 °C (-4 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3   IEC 60794-1-2, Section 22

## Qualification Specifications

Cable Qualification Standards	ANSI/ICEA S-110-717-2003
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## Regulatory Compliance/Certifications

Agency	Classification
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760083303 | Z-006-DN-8W-F06BK

RoHS 2002/95/EC  
ISO 9001:2008

Compliant  
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