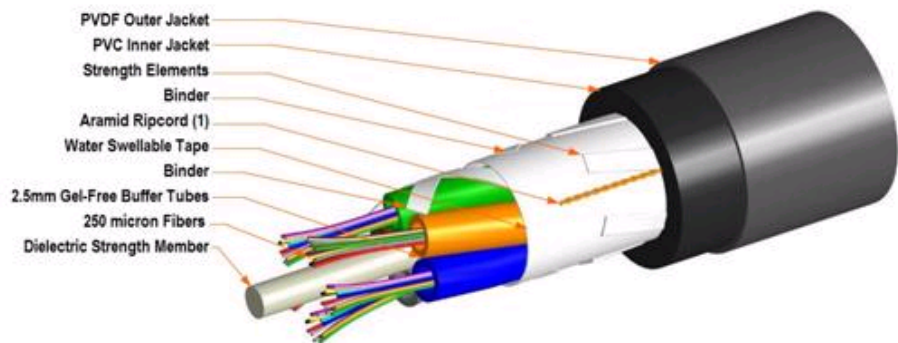




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Indoor/Outdoor All-Dielectric Heavy Duty Riser Rated Stranded Loose Tube Gel-Free Cable

## Representative Image



## General Specifications

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

## 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	2.50 mm   0.10 in
Cable Weight	144.0 kg/km   97.0 lb/kft
Diameter Over Jacket	12.30 mm   0.48 in
Filler, quantity	1
Subunit, quantity	4

## Physical Specifications

Minimum Bend Radius, loaded	18.5 cm   7.3 in
Minimum Bend Radius, unloaded	12.3 cm   4.8 in
Tensile Load, long term, maximum	180 lbf   800 N

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Tensile Load, short term, maximum 2700 N | 607 lbf  
Vertical Rise, maximum 567.0 m | 1860.2 ft

## Flame Test Specifications

Flame Test Listing	NEC OFNR (ETL) and c(ETL)
Flame Test Method	UL 1666

## Environmental Specifications

Environmental Space	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
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
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## Regulatory Compliance/Certifications

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

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## Included Products

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