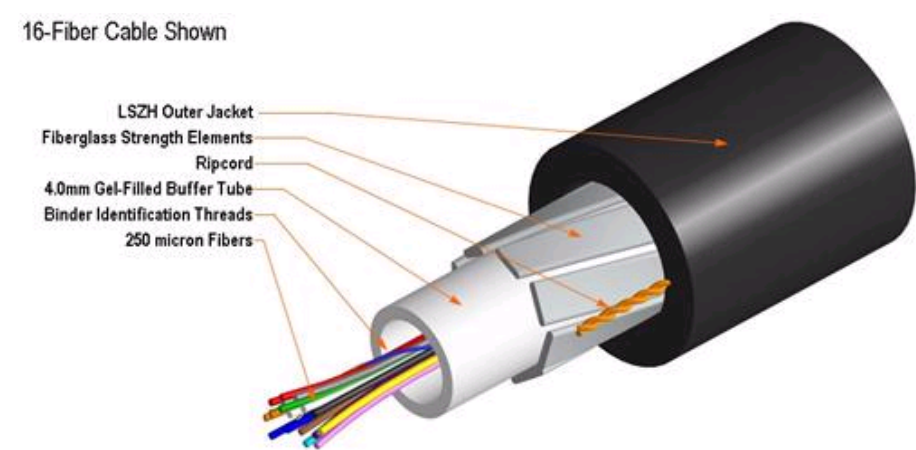


Representative Image



General Specifications

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

Construction Materials

Fiber Type Solution	Composite fiber OptiSPEED®, 62.5 µm multimode fiber (OM1) TeraSPEED®, zero water peak singlemode fiber (G.652.D or G.652.D OS2)
Jacket Material	PE
Total Fiber Count	24
Fiber Type	TeraSPEED®, zero water peak singlemode fiber (G.652.D or G.652.D OS2)
Fiber Type, quantity	12
Fibers per Subunit, quantity	12
Jacket Color	Black
Jacket UV Resistance	UV stabilized
Second Fiber Type	OptiSPEED®, 62.5 µm multimode fiber (OM1)
Second Fiber Type, quantity	12

Dimensions

Buffer Tube/Subunit Diameter	4.00 mm 0.16 in
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Cable Weight	48.0 lb/kft 72.0 kg/km
Diameter Over Jacket	8.30 mm 0.33 in
Subunit, quantity	2

Physical Specifications

Minimum Bend Radius, loaded	12.5 cm 4.9 in
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 Method	IEC 60332-3 IEC 60754-2 IEC 61034-2 IEEE 383 UL 1666 UL 1685
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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	-20 °C to +75 °C (-4 °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

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Qualification Specifications

Cable Qualification Standards ANSI/ICEA S-110-717-2003

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system



Included Products

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