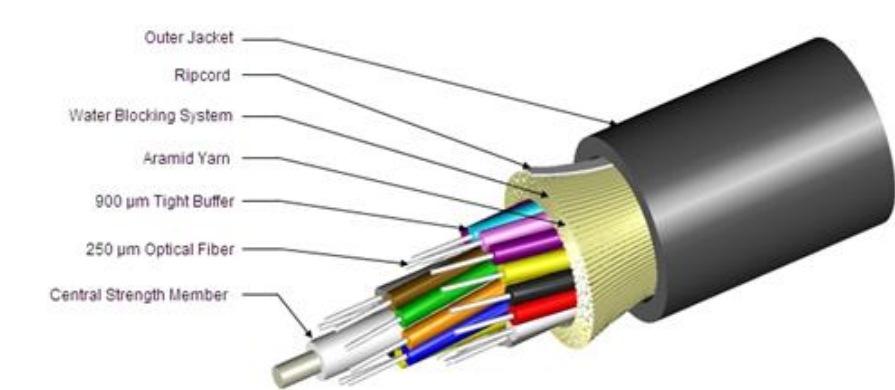


Representative Image



General Specifications

Cable Type	Distribution
Construction Type	Non-armored

Construction Materials

Fiber Type Solution	Composite fiber LazrSPEED® 550, 50 µm multimode fiber (OM4) TeraSPEED®, zero water peak singlemode fiber (G.652.D or G.652.D OS2)
Total Fiber Count	24
Fiber Type	TeraSPEED®, zero water peak singlemode fiber (G.652.D or G.652.D OS2)
Fiber Type, quantity	12
Jacket Color	Black
Jacket UV Resistance	UV stabilized
Second Fiber Type	LazrSPEED® 550, 50 µm multimode fiber (OM4)
Second Fiber Type, quantity	12

Dimensions

Cable Weight	45.0 lb/kft 67.0 kg/km
Diameter Over Jacket	8.70 mm 0.34 in

Physical Specifications

Minimum Bend Radius, loaded	13.0 cm 5.1 in
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Minimum Bend Radius, unloaded	8.7 cm 3.4 in
Tensile Load, long term, maximum	90 lbf 400 N
Tensile Load, short term, maximum	300 lbf 1335 N
Vertical Rise, maximum	500.0 m 1640.4 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	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	126 lb/in 22 N/mm
Compression Test Method	FOTP-41 IEC 60794-1-2, Section 7
Flex	100 cycles
Flex Test Method	FOTP-104 IEC 60794-1-2, Section 10
Impact	4.34 ft lb 5.88 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

Heat Age	-40 °C to +85 °C (-40 °F to +185 °F)
Heat Age Test Method	Not applicable
Low High Bend	-40 °C to +70 °C (-40 °F to +158 °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-20-CORE Issue 3 (water penetration) Telcordia GR-409-CORE Issue 2
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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-TB (Product Component—not orderable) — TeraSPEED® Singlemode Fiber

CS-5K-TB (Product Component—not orderable) — LazrSPEED® 550 OM4 Bend-Insensitive Multimode Fiber