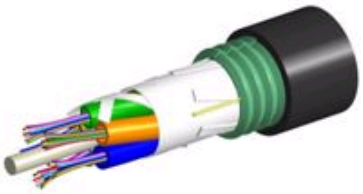
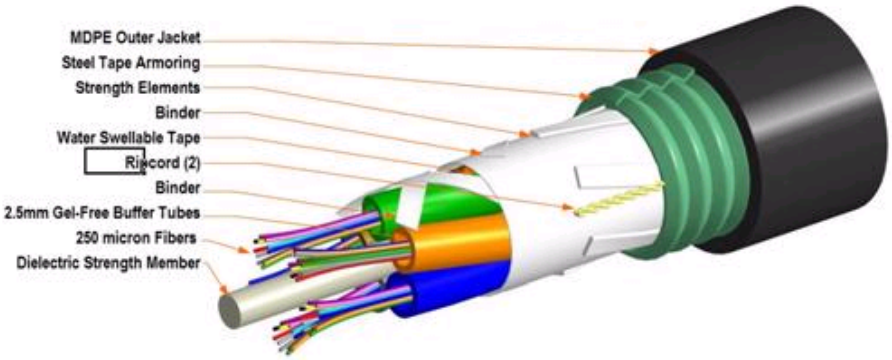
Product Specifications



760053348 | D-096-LA-8W-F12NS

Single Jacket Single Armor Outdoor Cable Arid-Core Construction Stranded Loose Tube

Representative Image



General Specifications

Cable Type	Stranded loose tube
Construction Type	Armored
Subunit Type	Gel-free

Construction Materials

Fiber Type Solution	TeraSPEED®, zero water peak singlemode fiber
Total Fiber Quantity	96
Armor Type	Corrugated steel
Fiber Type	TeraSPEED®, zero water peak singlemode fiber
Fiber Type, quantity	96
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	103.0 lb/kft | 154.0 kg/km
Diameter Over Jacket	13.60 mm | 0.54 in
Subunit, quantity	8

Physical Specifications

Minimum Bend Radius, loaded	20.3 cm | 8.0 in
Minimum Bend Radius, unloaded	13.6 cm | 5.4 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	531.0 m | 1742.1 ft

Environmental Specifications

Environmental Space	Aerial, lashed | Buried
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	250 lb/in | 44 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	3.25 ft lb | 4.41 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 Penentration	24 h
Water Penentration 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-87-640-2006 | EN 187105 | Telcordia GR-20-CORE Issue 3

Regulatory Compliance/Certifications

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

RoHS COMPLIANT

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Product Specifications

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Included Products

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

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