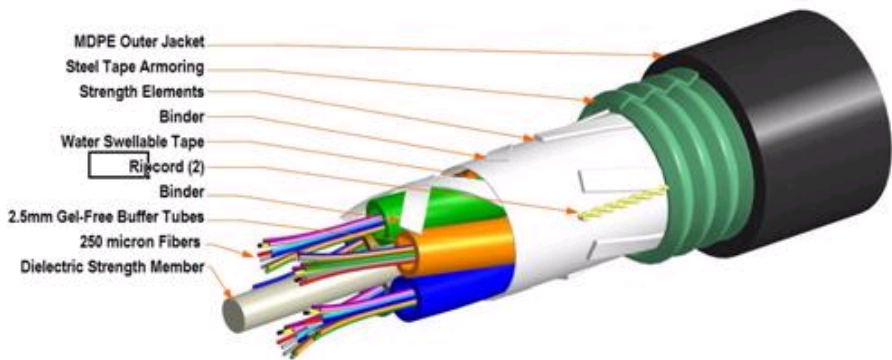


760162594 | D-216-LA-8W-F12NS
Single Jacket Single Armor Outdoor Cable Arid-Core Construction Stranded Loose Tube

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	216
Armor Type	Corrugated steel
Fiber Type	TeraSPEED®, zero water peak singlemode fiber
Fiber Type, quantity	216
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	138.0 lb/kft 205.0 kg/km
Diameter Over Jacket	17.20 mm 0.68 in
Subunit, quantity	18

Physical Specifications

Minimum Bend Radius, loaded	25.8 cm 10.2 in
Minimum Bend Radius, unloaded	17.2 cm 6.8 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 398.0 m | 1305.8 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 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

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



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Included Products

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