Product Specifications

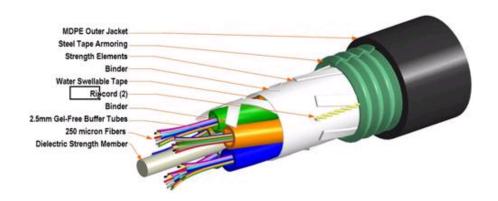




760053793 | D-096-LA-5K-F12NS

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 LazrSPEED® 550, 50 µm multimode fiber

Total Fiber Quantity 96

Armor Type Corrugated steel

Fiber Type LazrSPEED® 550, 50 µm multimode 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

Product Specifications



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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 $-30 \,^{\circ}\text{C}$ to $+70 \,^{\circ}\text{C}$ (-22 °F to $+158 \,^{\circ}\text{F}$)
Operating Temperature $-40 \,^{\circ}\text{C}$ to $+70 \,^{\circ}\text{C}$ (-40 °F to $+158 \,^{\circ}\text{F}$)
Storage Temperature $-40 \,^{\circ}\text{C}$ to $+75 \,^{\circ}\text{C}$ (-40 °F to $+167 \,^{\circ}\text{F}$)

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 $FOTP-28 \mid IEC 60794-1-2, Section 28$ Temperature Cycle -40 °C to +70 °C (-40 °F to +158 °F) Temperature Cycle Test Method $FOTP-3 \mid IEC 60794-1-2, Section 22$

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



Product Specifications



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Included Products

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