

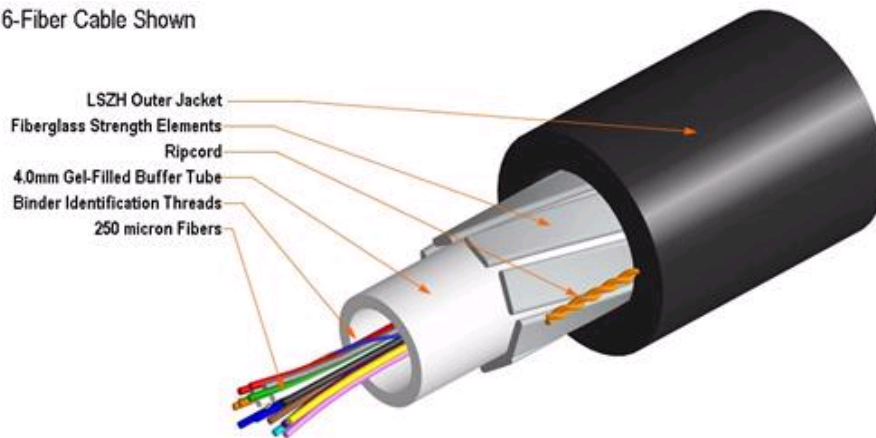


760103457 | Z-024-DN-5K-F12BK

Indoor/Outdoor Low Smoke Zero Halogen Single Jacket All-Dielectric Arid-Core Drop Cable

Representative Image

16-Fiber Cable Shown



General Specifications

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

Construction Materials

Fiber Type Solution	LazrSPEED® 550, 50 µm multimode fiber
Total Fiber Quantity	24
Fiber Type	LazrSPEED® 550, 50 µm multimode fiber
Fiber Type, quantity	24
Fibers Per Subunit, quantity	12
Jacket Color	Black
Jacket UV Resistance	UV stabilized

Dimensions

Buffer Tube/Subunit Diameter	4.00 mm 0.16 in
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

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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

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

Qualification Specifications

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

Regulatory Compliance/Certifications

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



Included Products

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