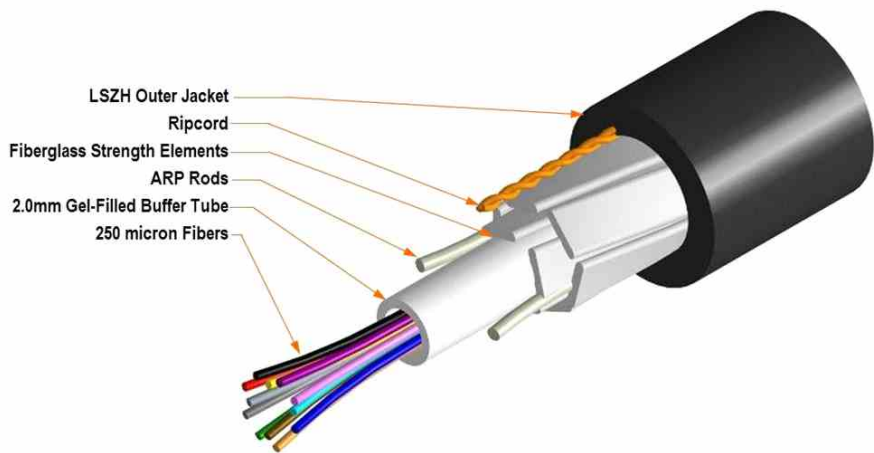


760146589 | Z-012-DN-5K-F12BK/20G
Indoor/Outdoor Low Smoke Zero Halogen Single Jacket All-Dielectric Arid-Core Drop Cable

Representative Image



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 (OM4)
Jacket Material	PE
Total Fiber Count	12
Fiber Type	LazrSPEED® 550, 50 µm multimode fiber (OM4)
Fiber Type, quantity	12
Fibers per Subunit, quantity	12
Jacket Color	Black
Jacket UV Resistance	UV stabilized

Dimensions

Buffer Tube/Subunit Diameter	2.00 mm 0.08 in
Cable Weight	30.0 lb/kft 44.0 kg/km
Diameter Over Jacket	6.10 mm 0.24 in
Subunit, quantity	1

Physical Specifications

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Minimum Bend Radius, loaded	9.1 cm		3.6 in
Minimum Bend Radius, unloaded	6.1 cm		2.4 in
Tensile Load, long term, maximum	400 N		90 lbf
Tensile Load, short term, maximum	1334 N		300 lbf
Vertical Rise, maximum	927.0 m		3041.3 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	Aerial, lashed		Buried		Low Smoke Zero Halogen (LSZH)		Riser
Installation Temperature	-20 °C to +60 °C (-4 °F to +140 °F)						
Operating Temperature	-20 °C to +70 °C (-4 °F to +158 °F)						
Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)						

Mechanical Test Specifications

Compression	10 N/mm		57 lb/in
Compression Test Method	FOTP-41		IEC 60794-1 E3
Flex	35 cycles		
Flex Test Method	FOTP-104		IEC 60794-1 E6
Impact	1.63 ft lb		2.21 N-m
Impact Test Method	FOTP-25		IEC 60794-1 E4
Strain	See long and short term tensile loads		
Strain Test Method	FOTP-33		IEC 60794-1 E1
Twist	10 cycles		
Twist Test Method	FOTP-85		IEC 60794-1 E7
Water Penetration	24 h		
Water Penetration Test Method	FOTP-82		IEC 60794-1 F5

Environmental Test Specifications

Cable Freeze	-2 °C		28 °F
Cable Freeze Test Method	FOTP-98		IEC 60794-1 F15
Drip	70 °C		158 °F
Drip Test Method	FOTP-81		IEC 60794-1 E14
Heat Age Test Method	IEC 60794-1 F9		
Low High Bend	-20 °C to +60 °C (-4 °F to +140 °F)		
Low High Bend Test Method	FOTP-37		IEC 60794-1 E11
Temperature Cycle	-20 °C to +70 °C (-4 °F to +158 °F)		
Temperature Cycle Test Method	FOTP-3		IEC 60794-1 F1

Qualification Specifications

Cable Qualification Standards	ANSI/ICEA S-110-717		EN 187105		Telcordia GR-409
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Regulatory Compliance/Certifications

760146589 | Z-012-DN-5KF12BK/20G

Agency

RoHS 2011/65/EU
ISO 9001:2008

Classification

Compliant
Designed, manufactured and/or distributed under this quality management system



Included Products

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

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable