Product Specifications

This specification is OBSOLETE

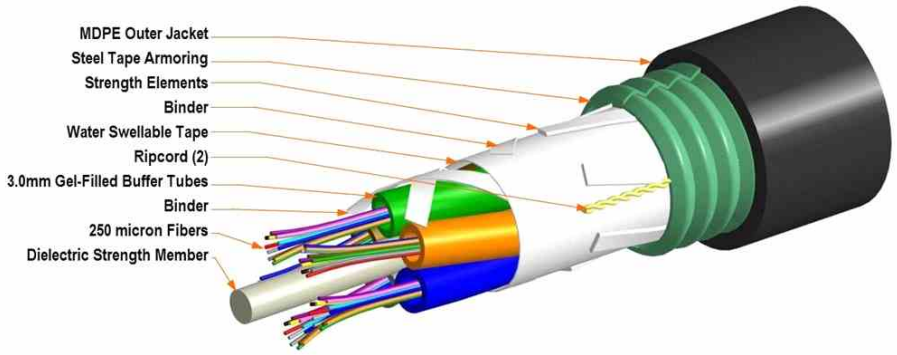
760002477 | O-006-LA-5L-F06NS

Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable

- Corrugated steel tape armor is strong yet flexible, providing additional crush and rodent protection

OBSOLETE

Representative Image



General Specifications

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

Construction Materials

Fiber Type Solution	LazrSPEED® 300, 50 µm multimode fiber (OM3)
Jacket Material	PE
Total Fiber Count	6
Armor Type	Corrugated steel
Fiber Type	LazrSPEED® 300, 50 µm multimode fiber (OM3)
Fiber Type, quantity	6
Fibers per Subunit, quantity	6
Jacket Color	Black
Jacket UV Resistance	UV stabilized

Dimensions

Buffer Tube/Subunit Diameter	3.00 mm | 0.12 in
Cable Weight	94.0 lb/kft | 139.0 kg/km
Diameter Over Jacket	12.70 mm | 0.50 in
Filler, quantity	4
Subunit, quantity	1

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Physical Specifications

Minimum Bend Radius, loaded	19.0 cm | 7.5 in
Minimum Bend Radius, unloaded	12.7 cm | 5.0 in
Tensile Load, long term, maximum	180 lbf | 800 N
Tensile Load, short term, maximum	2700 N | 607 lbf
Vertical Rise, maximum	587.0 m | 1925.9 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 E3
Flex	35 cycles
Flex Test Method	FOTP-104 | IEC 60794-1 E6
Impact	2.17 ft lb | 2.94 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 Penentration	24 h
Water Penentration 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	-40 °C to +85 °C (-40 °F to +185 °F)
Heat Age Test Method	IEC 60794-1 F9
Low High Bend	-30 °C to +60 °C (-22 °F to +140 °F)
Low High Bend Test Method	FOTP-37 | IEC 60794-1 E11
Temperature Cycle	-40 °C to +70 °C (-40 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3 | IEC 60794-1 F1

Qualification Specifications

Cable Qualification Standards	ANSI/ICEA S-87-640 | EN 187105 | Telcordia GR-20

Regulatory Compliance/Certifications

Agency	Classification

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RoHS 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

Included Products

CS-5L-LT (Product Component—not orderable) — LazrSPEED® 300 OM3 Bend-Insensitive Multimode Fiber

* Footnotes

Operating Temperature	Specification applicable to non-terminated bulk fiber cable

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