

LazrSPEED® Indoor/Outdoor Plenum Distribution Cable, 144 fiber multi-unit with 12 fiber subunits

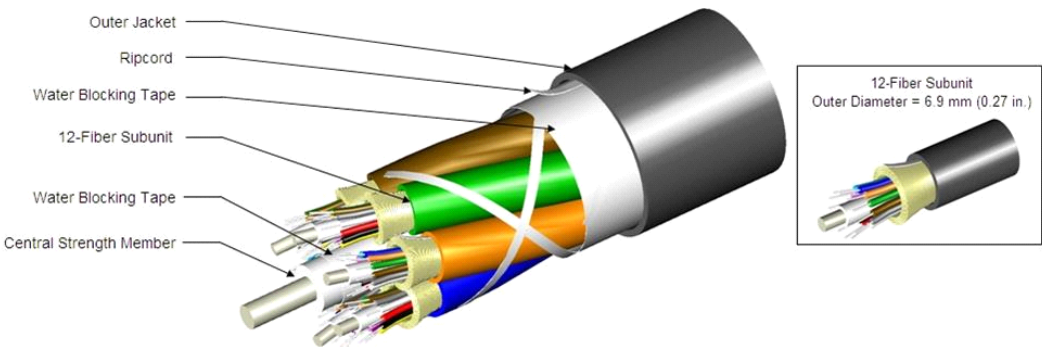
Product Classification

Portfolio	CommScope®
Product Type	Fiber indoor/outdoor cable
Regional Availability	Asia Australia/New Zealand EMEA Latin America North America

Standards And Qualifications

Cable Qualification Standards	ANSI/ICEA S-104-696 Telcordia GR-20 (water penetration) Telcordia GR-409
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Representative Image



General Specifications

Construction Type	Non-armored
Cable Type	Distribution
Subunit Type	Gel-free

Construction Materials

Fiber Type Solution	OM3, LazrSPEED® 300
Total Fiber Count	144
Fiber Type	OM3, LazrSPEED® 300
Fiber Type, quantity	144
Fibers per Subunit, quantity	12
Jacket Color	Black

Jacket UV Resistance UV stabilized

Dimensions

Buffer Tube/Subunit Diameter 6.90 mm | 0.27 in
Cable Weight 558.0 lb/kft | 831.0 kg/km
Diameter Over Jacket 30.30 mm | 1.19 in
Subunit, quantity 12

Physical Specifications

Minimum Bend Radius, loaded 45.4 cm | 17.9 in
Minimum Bend Radius, unloaded 30.3 cm | 11.9 in
Tensile Load, long term, maximum 300 lbf | 1335 N
Tensile Load, short term, maximum 1000 lbf | 4450 N
Vertical Rise, maximum 164.0 m | 538.1 ft

Flame Test Specifications

Flame Test Listing NEC OFNP (ETL) and c(ETL)
Flame Test Method NFPA 262

Environmental Specifications

Environmental Space Plenum
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 126 lb/in | 22 N/mm
Compression Test Method FOTP-41 | IEC 60794-1 E3
Flex 100 cycles
Flex Test Method FOTP-104 | IEC 60794-1 E6
Impact 4.34 ft lb | 5.88 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 Test Method	IEC 60794-1 F15
Heat Age	-40 °C to +85 °C (-40 °F to +185 °F)
Heat Age Test Method	IEC 60794-1 F9
Low High Bend	-40 °C to +70 °C (-40 °F to +158 °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

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



Included Products

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

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable