

760251971 | C-144-LA-8Z-M12BK/22G/093



Fiber indoor/outdoor cable, loose tube gel-filled CST, 144 fiber, Singlemode G.652.D and G.657.A1, Meters jacket marking, Black jacket color

Product Classification

Regional Availability	Asia Australia/New Zealand
Portfolio	CommScope®
Product Type	Fiber indoor/outdoor cable
Product Series	C-LA

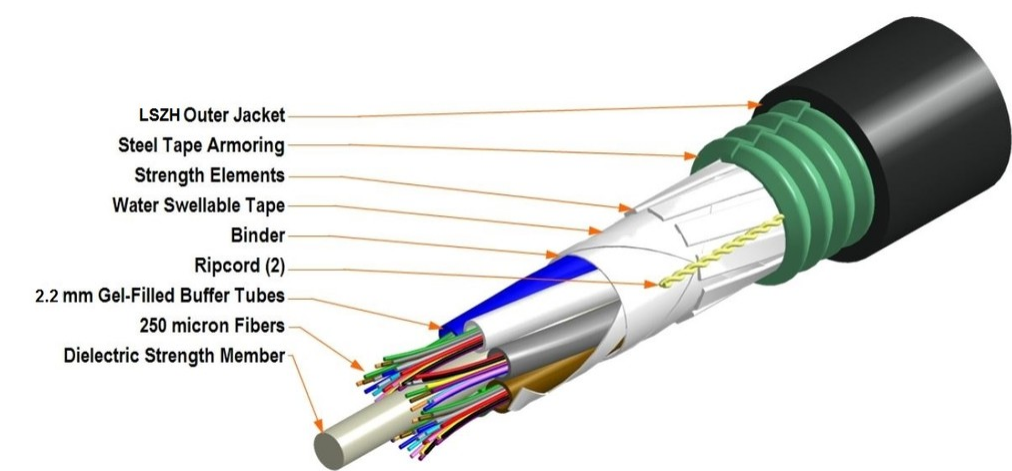
General Specifications

Armor Type	Corrugated steel
Cable Type	Stranded loose tube
Construction Type	Armored
Subunit Type	Gel-filled
Jacket Color	Black
Jacket Marking	Meters
Subunit, quantity	12
Fibers per Subunit, quantity	12
Total Fiber Count	144

Dimensions

Buffer Tube/Subunit Diameter	2.2 mm 0.087 in
Diameter Over Jacket	16.6 mm 0.654 in

Representative Image



Mechanical Specifications

Minimum Bend Radius, loaded	332 mm 13.071 in
Minimum Bend Radius, unloaded	166 mm 6.535 in
Tensile Load, short term, maximum	2000 N 449.618 lbf
Compression	15 N/mm 85.652 lb/in
Compression Test Method	IEC 60794-1-2 E3
Strain	See long and short term tensile loads
Strain Test Method	IEC 60794-1-21 E1

Optical Specifications

Fiber Type	G.652.D and G.657.A1 OS2
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Optical Specifications, Wavelength Specific

Attenuation, maximum	0.22 dB/km @ 1,550 nm 0.36 dB/km @ 1,310 nm
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Environmental Specifications

Installation temperature	-10 °C to +60 °C (+14 °F to +140 °F)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Environmental Space	Buried Ducted Indoor/Outdoor Low Smoke Zero Halogen (LSZH)
Flame Test Method	IEC 60332-1 IEC 60332-3-24 IEC 60754-2 IEC 61034-2
Water Penetration	24 h
Water Penetration Test Method	IEC 60794-1 F5B

Environmental Test Specifications

Temperature Cycle	-40 °C to +70 °C (-40 °F to +158 °F)
Temperature Cycle Test Method	IEC 60794-1-2 F1

Packaging and Weights

Cable weight	301 kg/km 202.263 lb/kft
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Included Products

CS-8Z-LT	– Low Water Peak, Dispersion-Unshifted Singlemode Fiber
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* Footnotes

Operating Temperature	Specification applicable to non-terminated bulk fiber cable
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