

Fiber indoor/outdoor cable, Gel-filled Central Tube, 12 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	Z-CN

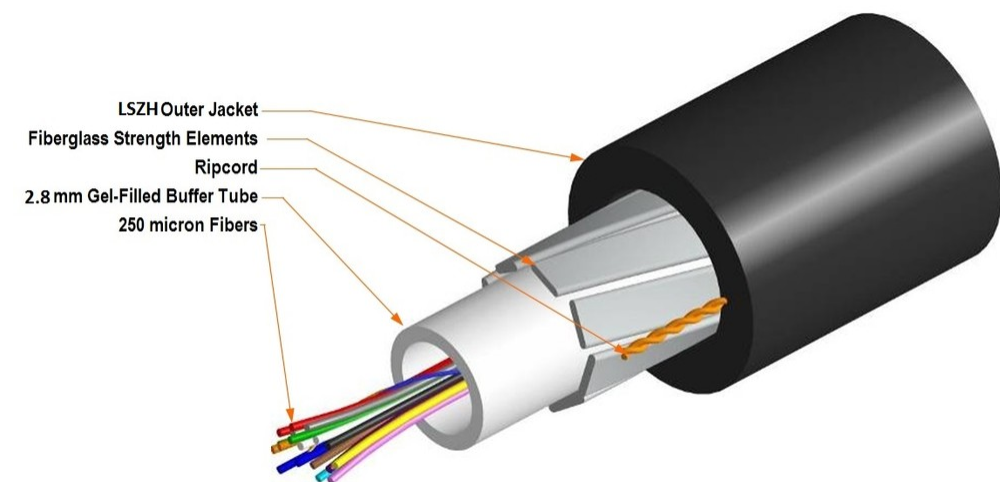
General Specifications

Cable Type	Central loose tube
Construction Type	Non-armored
Subunit Type	Gel-filled
Jacket Color	Black
Jacket Marking	Meters
Fibers per Subunit, quantity	12
Total Fiber Count	12

Dimensions

Buffer Tube/Subunit Diameter	2.8 mm 0.11 in
Diameter Over Jacket	7 mm 0.276 in

Representative Image



Mechanical Specifications

Minimum Bend Radius, loaded	140 mm 5.512 in
Minimum Bend Radius, unloaded	70 mm 2.756 in
Tensile Load, long term, maximum	800 N 179.847 lbf
Tensile Load, short term, maximum	1800 N 404.656 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 60794-1-2-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 0.38 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	Indoor/Outdoor Low Smoke Zero Halogen (LSZH) Underground (duct)
Flame Test Method	IEC 60332-1

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	58 kg/km 38.974 lb/kft
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Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant



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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