



Fiber indoor/outdoor cable, LightScope® ZWP Gel-filled loose tube, 6 fiber, Singlemode, Meters jacket marking, Black jacket color, Dca flame rating

Product Classification

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

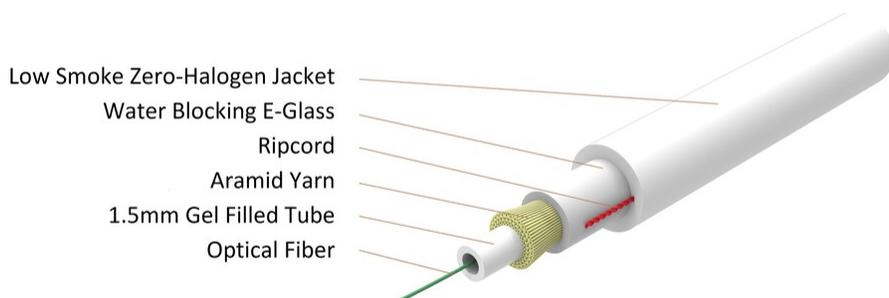
General Specifications

Cable Type	Central loose tube
Construction Type	Non-armored
Subunit Type	Gel-filled
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Subunit, quantity	1
Fibers per Subunit, quantity	6
Total Fiber Count	6

Dimensions

Buffer Tube/Subunit Diameter	1.5 mm 0.059 in
Diameter Over Jacket	4.6 mm 0.181 in

Representative Image



Mechanical Specifications

Minimum Bend Radius, loaded	25 mm 0.984 in
Minimum Bend Radius, unloaded	25 mm 0.984 in
Tensile Load, long term, maximum	600 N 134.885 lbf
Tensile Load, short term, maximum	1500 N 337.214 lbf
Cable Crush Resistance, maximum	15 N/mm 85.652 lb/in
Compression Test Method	IEC 60794-1-2 E3
Impact	10 N-m 88.507 in lb
Impact Test Method	IEC 60794-1 E4
Twist	100 cycles
Twist Test Method	IEC 60794-1 E7

Optical Specifications

Fiber Type	G.652.D and G.657.A1
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Environmental Specifications

Installation temperature	-10 °C to +50 °C (+14 °F to +122 °F)
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Cable Qualification Standards	IEC 60794-1-2
EN50575 CPR Cable EuroClass Fire Performance	Dca

810010402/DB | C-006-DN-8W-M06WHT/15G/D

EN50575 CPR Cable EuroClass Smoke Rating	s1a
EN50575 CPR Cable EuroClass Droplets Rating	d0
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Drop Universal Low Smoke Zero Halogen (ULSZH)
Flame Test Listing	IEC 60332-1-2
Flame Test Method	EN 50399 IEC 60754-2 IEC 61034-2
Water Penetration	24 h

Environmental Test Specifications

Temperature Cycle	-30 °C to +70 °C (-22 °F to +158 °F)
Temperature Cycle Test Method	IEC 60794-1-2 F1

Packaging and Weights

Cable weight	30 kg/km 20.159 lb/kft
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Included Products

CS-8W-250-EMEA - LightScope® ZWP Singlemode Fiber
8W-250um

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable