

Fiber indoor/outdoor cable, LightScope® ZWP, Gel-Filled loose tube, Singlemode G.652.D, 6 fiber, 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

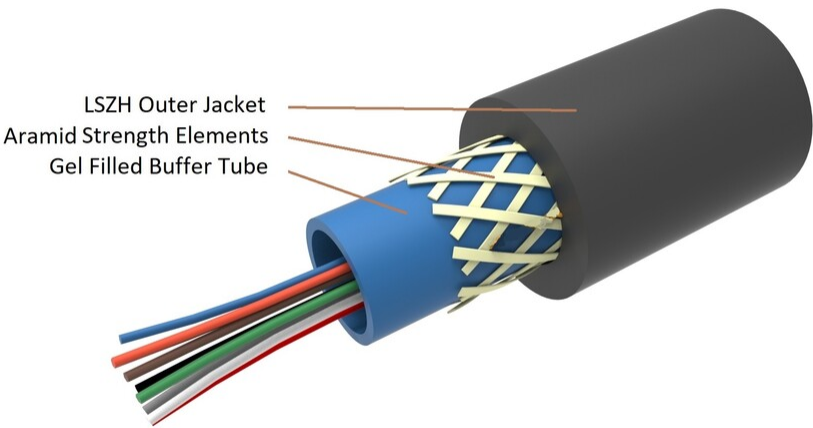
General Specifications

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

Dimensions

Cable Length	1000 m   3,280.84 ft
Buffer Tube/Subunit Diameter	2.8 mm   0.11 in
Diameter Over Jacket	6.4 mm   0.252 in

Representative Image



Mechanical Specifications

Minimum Bend Radius, loaded	130 mm   5.118 in
Minimum Bend Radius, unloaded	75 mm   2.953 in
Tensile Load, long term, maximum	400 N   89.924 lbf
Tensile Load, short term, maximum	530 N   119.149 lbf
Cable Crush Resistance, maximum	20 N/mm   114.203 lb/in
Compression Test Method	IEC 60794-1-2 E3
Impact	5 N-m   44.254 in lb
Impact Test Method	IEC 60794-1 E4

Optical Specifications

Fiber Type	G.652.D   OS2
------------	---------------

Optical Specifications, Wavelength Specific

Attenuation, maximum	0.35 dB/km @ 1,300 nm
----------------------	-----------------------

Environmental Specifications

Installation temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Operating Temperature	-20 °C to +70 °C (-4 °F to +158 °F)

Storage Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
EN50575 CPR Cable EuroClass Fire Performance	Dca
EN50575 CPR Cable EuroClass Smoke Rating	s2
EN50575 CPR Cable EuroClass Droplets Rating	d2
EN50575 CPR Cable EuroClass Acidity Rating	a2
Environmental Space	Universal Low Smoke Zero Halogen (ULSZH)
Flame Test Listing	EN 50399
Flame Test Method	EN 50399   IEC 60332-1-2   IEC 60754-2   IEC 61034-2
Water Penetration	24 h

Environmental Test Specifications

Temperature Cycle	-20 °C to +70 °C (-4 °F to +158 °F)
Temperature Cycle Test Method	IEC 60794-1-2 F1

Packaging and Weights

Cable weight	44 kg/km   29.567 lb/kft
--------------	--------------------------

Included Products

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

\* Footnotes

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable