

Fiber OSP cable, LightScope® ZWP Blown Micro Single Jacket, 2-fiber, All-Dielectric Stranded Loose Tube Arid-Core™ Construction, Gel-filled, Singlemode G.652.D and G.657.A1, Feet jacket marking, Black jacket color

Product Classification

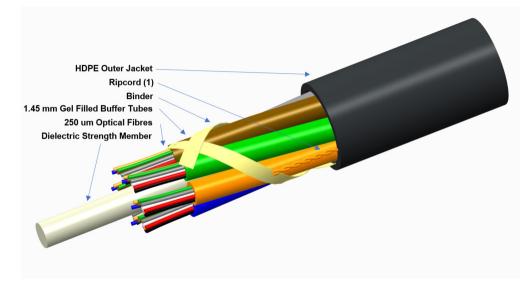
Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Portfolio	CommScope®
Product Type	Fiber OSP cable
Product Series	B-LN
General Specifications	
Cable Type	Stranded loose tube
Construction Type	Non-armored
Subunit Type	Gel-filled
Filler, quantity	4
Jacket Color	Black
Jacket Marking	Feet
Jacket Marking Method	Laser
Jacket Marking Text	COMMSCOPE OPTICAL CABLE OS2 SM 2F (SERIAL NUMBER) MM/YYYY XXXXXXFT
Subunit, quantity	1
Fibers per Subunit, quantity	2
Total Fiber Count	2
Dimensions	
Buffer Tube/Subunit Diameter	1.45 mm 0.057 in
Diameter Over Jacket	5.1 mm 0.201 in

Representative Image

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High density polyethylene (HDPE)



Material Specifications

Jacket Material

Mechanical Specifications

Minimum Bend Radius, loaded 208.3 mm | 8.201 in Minimum Bend Radius, unloaded 55 mm | 2.165 in Tensile Load, long term, maximum 97 N | 21.806 lbf Tensile Load, short term, maximum 324 N | 72.838 lbf Compression 10 N/mm | 57.101 lb/in **Compression Test Method** IEC 60794-1-21 E3 Flex 25 cycles Flex Test Method IEC 60794-1 E6 Impact 0.3 N-m | 2.655 in lb IEC 60794-1-21 E4 Impact Test Method Strain See long and short term tensile loads **Strain Test Method** IEC 60794-1-21 E1 Twist 10 cycles Twist Test Method IEC 60794-1-21 E7 Vertical Rise, maximum 492 m | 1,614.173 ft

Optical Specifications

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Fiber Type

G.652.D | G.652.D and G.657.A1

Environmental Specifications

Installation temperature	-30 °C to +70 °C (-22 °F to +158 °F)
Operating Temperature	-30 °C to +70 °C (-22 °F to +158 °F)
Storage Temperature	-30 °C to +75 °C (-22 °F to +167 °F)
Cable Qualification Standards	IEC 60794-5-10
Environmental Space	Air-blown, microduct
Jacket UV Resistance	UV stabilized
Water Penetration	23 h
Water Penetration Test Method	IEC 60794-1 F4

Environmental Test Specifications

Cable Freeze	-2 °C 28.4 °F
Cable Freeze Test Method	IEC 60794-1 F15
Drip	70 °C 158 °F
Drip Test Method	IEC 60794-1-21 E14
Heat Age	-30 °C to +85 °C (-22 °F to +185 °F)
Heat Age Test Method	IEC 60794-1-22 F9
Low High Bend	-30 °C to +60 °C (-22 °F to +140 °F)
Low High Bend Test Method	IEC 60794-1-21 E11
Temperature Cycle	-30 °C to +70 °C (-22 °F to +158 °F)
Temperature Cycle Test Method	IEC 60794-1-22 F1

Packaging and Weights

Cable weight

20 kg/km | 13.439 lb/kft

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

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Included Products

DB-8W-MICROLT - LightScope® ZWP Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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