

Fiber OSP cable, LightScope® ZWP Mini Single Jacket, All-Dielectric, 144 fiber, Gel-Filled, Stranded Loose Tube, Singlemode G.652.D and G.657.A1, Meters jacket marking, Black jacket color

Product Classification

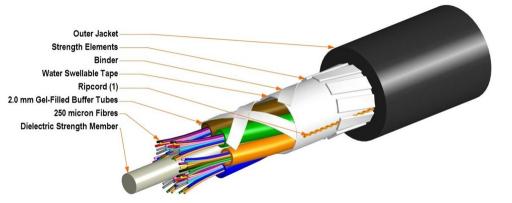
Regional Availability	EMEA
Portfolio	CommScope®
Product Type	Fiber OSP cable
Product Series	O-LN
General Specifications	
Cable Type	Stranded loose tube
Construction Type	Non-armored
Subunit Type	Gel-filled
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMSCOPE GB OPTICAL CABLE TYPE OS2 SM 144 FIBER [SERIAL NUMBER] [MM /YYYY] [METRE MARK]
Subunit, quantity	12
Fibers per Subunit, quantity	12
Total Fiber Count	144
Dimensions	
Buffer Tube/Subunit Diameter	2 mm 0.079 in
Diameter Over Jacket	13.5 mm 0.531 in

Representative Image

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Material Specifications

Jacket Material	PE	
Mechanical Specifications		
Minimum Bend Radius, loaded	200 mm 7.874 in	
Minimum Bend Radius, unloaded	133 mm 5.236 in	
Tensile Load, long term, maximum	800 N 179.847 lbf	
Tensile Load, short term, maximum	2700 N 606.984 lbf	
Compression	22 N/mm 125.623 lb/in	
Compression Test Method	IEC 60794-1 E3	
Flex	25 cycles	
Flex Test Method	IEC 60794-1 E6	
Impact	4.41 N-m 39.032 in lb	
Impact Test Method	IEC 60794-1 E4	
Strain	See long and short term tensile loads	
Strain Test Method	IEC 60794-1 E1	
Twist	10 cycles	
Twist Test Method	IEC 60794-1 E7	
Vertical Rise, maximum	594 m 1,948.819 ft	
Optical Specifications		

Fiber Type

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

Environmental Specifications

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Installation temperature	-10 °C to +50 °C (+14 °F to +122 °F)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Cable Qualification Standards	ANSI/ICEA S-87-640 EN 187105 IEC 60794-1-2
Environmental Space	Aerial, lashed Buried
Jacket UV Resistance	UV stabilized
Water Penetration	24 h
Water Penetration Test Method	IEC 60794-1 F5

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 E14
Heat Age	-40 °C to +85 °C (-40 °F to +185 °F)
Heat Age Test Method	IEC 60794-1 F9
Low High Bend	-30 °C to +60 °C (-22 °F to +140 °F)
Low High Bend Test Method	IEC 60794-1 E11
Temperature Cycle	-40 °C to +70 °C (-40 °F to +158 °F)
Temperature Cycle Test Method	IEC 60794-1 F1

Packaging and Weights

Cable weight

138 kg/km | 92.732 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



Included Products

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

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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