

Fiber indoor/outdoor cable, LightScope® ZWP Single Jacket/Single Armor, 12 fiber, LSZH, Gel-filled, Stranded Loose Tube, Singlemode G.652. D and G.657.A1, Meters jacket marking, Black jacket color, B2ca flame rating

• Corrugated steel tape armor is strong yet flexible, providing additional crush and rodent protection

Product Classification

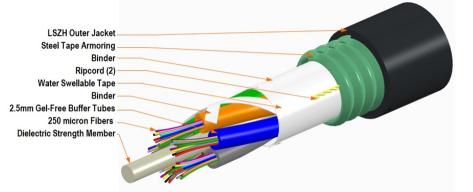
Regional Availability	EMEA
Portfolio	CommScope®
Product Type	Fiber indoor/outdoor cable
Product Series	C-LA
General Specifications	
Armor Type	Corrugated steel
Cable Type	Stranded loose tube
Construction Type	Armored
Subunit Type	Gel-filled
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMSCOPE GB OPTICAL CABLE OS2 SM 12 FIBER EN50575 CLASS B [SERIAL NUMBER] [MM/YY] [METRE MARK]
Subunit, quantity	6
Fibers per Subunit, quantity	12
Total Fiber Count	12
Dimensions	
Buffer Tube/Subunit Diameter	2 mm 0.079 in
Diameter Over Jacket	12.3 mm 0.484 in

Representative Image

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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	44 N/mm 251.246 lb/in	
Compression Test Method	IEC 60794-1 E3	
Flex	25 cycles	
Flex Test Method	IEC 60794-1 E6	
Impact	10 N-m 88.507 in lb	
Impact Test Method	IEC 60794-1 E4	
Strain	See long and short term tensile loads	
Strain Test Method	FOTP-33 IEC 60794-1 E1	
Twist	10 cycles	
Twist Test Method	IEC 60794-1 E7	
Vertical Rise, maximum	432 m 1,417.323 ft	
Optical Specifications		
Fiber Type	G.652.D and G.657.A1, TeraSPEED® OS2 OS2	

Environmental Specifications

Installation temperature	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)

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COMMSCOPE®

Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Cable Qualification Standards	EN 187105 IEC 60794-1-2
EN50575 CPR Cable EuroClass Fire Performance	B2ca
EN50575 CPR Cable EuroClass Smoke Rating	s1a
EN50575 CPR Cable EuroClass Droplets Rating	d0
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Aerial, lashed Buried Low Smoke Zero Halogen (LSZH)
Flame Test Method	IEC 60332-1-2 IEC 60754-2 IEC 61034-2
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
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

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199.4 kg/km | 133.991 lb/kft

Regulatory Compliance/Certifications

Agency	Classification
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

CENELEC

Included Products

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

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* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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