

810010146/DB | B-012-CN-8W-M12BK/20G

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Fiber OSP cable, LightScope® ZWP Blown Single Jacket All-Dielectric, 12 fiber, Central Tube Construction, Singlemode G.652.D and G.657.A1, Gel-filled, Meters jacket marking, Black jacket color

### Product Classification

Regional Availability	Europe
Portfolio	CommScope®
Product Type	Fiber OSP cable
Product Series	B-CN

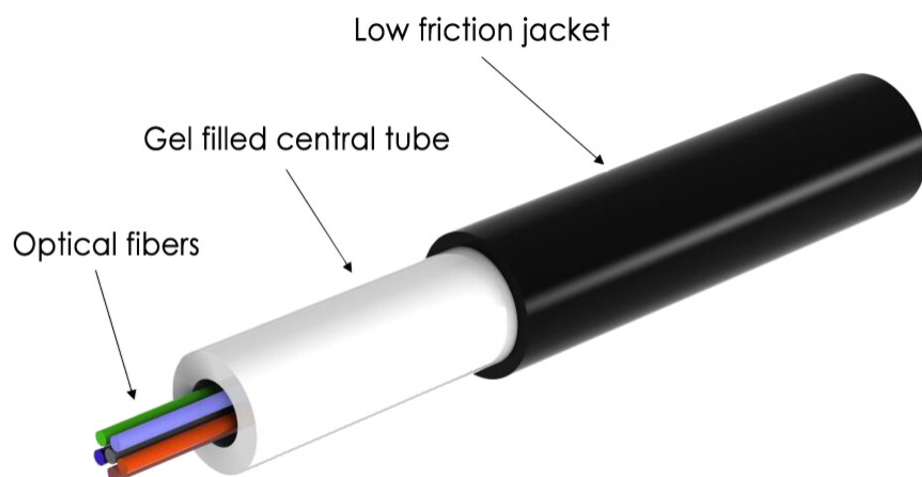
### General Specifications

Cable Type	Central tube, all dielectric   Microcable
Construction Type	Non-armored
Subunit Type	Gel-filled
Filler, quantity	0
Inner Jacket Color	White
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMSCOPE GB OPTICAL CABLE 810010146/DB 12x G657A1 SM [SERIAL NUMBER] [METER MARK]
Subunit, quantity	1
Fibers per Subunit, quantity	12
Total Fiber Count	12

### Dimensions

Buffer Tube/Subunit Diameter	2 mm   0.079 in
Diameter Over Jacket	2.5 mm   0.098 in

### Representative Image



## Material Specifications

<b>Jacket Material</b>	Nylon
<b>Mechanical Specifications</b>	
<b>Minimum Bend Radius, loaded</b>	30 mm   1.181 in
<b>Minimum Bend Radius, storage coils</b>	30 mm   1.181 in
<b>Minimum Bend Radius, unloaded</b>	30 mm   1.181 in
<b>Tensile Load, long term, maximum</b>	75 N   16.861 lbf
<b>Compression</b>	10 N/mm   57.101 lb/in
<b>Compression Test Method</b>	IEC 60794-1-21 E3
<b>Flex</b>	25 cycles
<b>Impact</b>	2 N-m   17.701 in lb
<b>Impact Test Method</b>	IEC 60794-1-21 E4
<b>Strain</b>	See long and short term tensile loads
<b>Strain Test Method</b>	IEC 60794-1-21 E1
<b>Twist</b>	10 cycles
<b>Twist Test Method</b>	IEC 60794-1-21 E7

## Optical Specifications

**Fiber Type** G.652.D and G.657.A1

## Environmental Specifications

Installation temperature	-10 °C to +60 °C (+14 °F to +140 °F)
Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Storage Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Cable Qualification Standards	IEC 60794-1-2   IEC 60794-5-10
Environmental Space	Air-blown, microduct
Jacket UV Resistance	UV stabilized
Water Penetration	24 h
Water Penetration Test Method	IEC 60794-1 F5

## Environmental Test Specifications

Low High Bend Test Method	IEC 60794-1-21 E11
Temperature Cycle	-20 °C to +60 °C (-4 °F to +140 °F)
Temperature Cycle Test Method	IEC 60794-1-22 F1

## Packaging and Weights

Cable weight	6.6 kg/km   4.435 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