



Fiber OSP cable, LightScope ZWP® Single Jacket/Single Armor, Gel-Filled, 8 fibers, Central Tube Cable, Singlemode G.652.D and G.657.A1, Custom jacket marking, Black jacket color

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

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber OSP cable
<b>Product Series</b>	O-CA

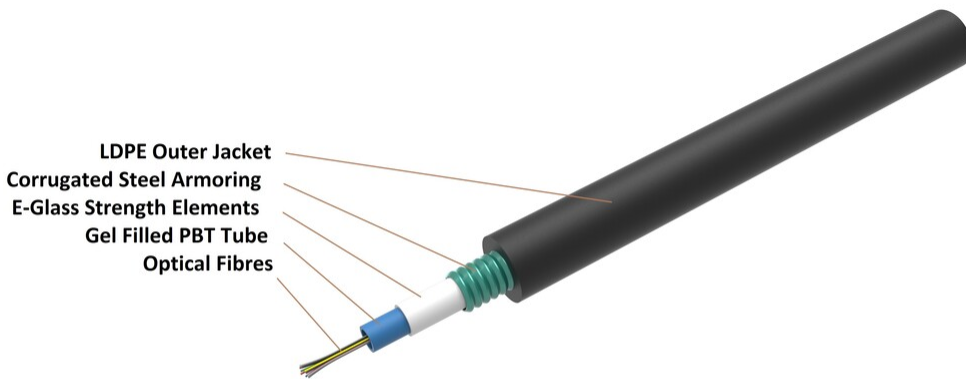
## General Specifications

<b>Armor Type</b>	Corrugated steel
<b>Cable Type</b>	Central loose tube
<b>Construction Type</b>	Armored
<b>Subunit Type</b>	Gel-filled
<b>Jacket Color</b>	Black
<b>Jacket Marking</b>	Custom printing
<b>Jacket Marking Method</b>	Inkjet
<b>Jacket Marking Text</b>	COMMSCOPE GB (MM/YY) NETWORK RAIL SM FIBRE CABLE SM 8 (Serial NO) (METRE MARK)
<b>Subunit, quantity</b>	1
<b>Fibers per Subunit, quantity</b>	8
<b>Total Fiber Count</b>	8

## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	2.8 mm   0.11 in
<b>Diameter Over Jacket</b>	10 mm   0.394 in

## Representative Image



## Material Specifications

**Jacket Material** PE

## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	200 mm   7.874 in
<b>Minimum Bend Radius, unloaded</b>	120 mm   4.724 in
<b>Tensile Load, long term, maximum</b>	800 N   179.847 lbf
<b>Tensile Load, short term, maximum</b>	1200 N   269.771 lbf
<b>Compression</b>	30 N/mm   171.304 lb/in
<b>Compression Test Method</b>	IEC 60794-1 E3
<b>Flex</b>	25 cycles
<b>Flex Test Method</b>	IEC 60794-1 E6
<b>Impact</b>	5 N-m   44.254 in lb
<b>Impact Test Method</b>	IEC 60794-1 E4
<b>Strain</b>	See long and short term tensile loads
<b>Strain Test Method</b>	IEC 60794-1 E1
<b>Twist</b>	5 cycles
<b>Twist Test Method</b>	IEC 60794-1 E7

## Optical Specifications

# 760238911 | O-008-CA-8W-X08BK/28G/LD

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

## 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)  
**Cable Qualification Standards** ANSI/ICEA S-87-640 | EN 187105  
**Environmental Space** Aerial, lashed | Buried  
**Jacket UV Resistance** UV stabilized  
**Water Penetration** 24 h  
**Water Penetration Test Method** FOTP-82 | IEC 60794-1 F5

## Environmental Test Specifications

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

## Packaging and Weights

**Cable weight** 60 kg/km | 40.318 lb/kft

## Included Products

DB-8W-LT – LightScope ZWP® Singlemode  
Fiber

## \* Footnotes

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