



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

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

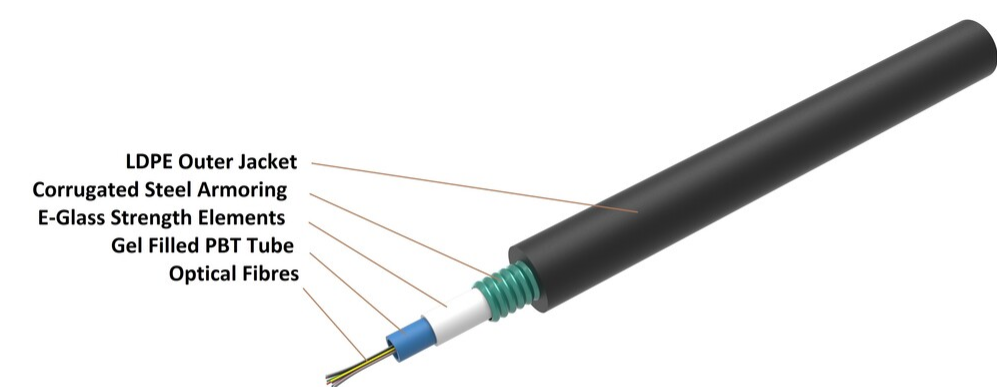
## General Specifications

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

## Dimensions

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

## Representative Image



Material Specifications

Jacket Material	PE
Inner Jacket Material	Alternative jacket PE

Mechanical Specifications

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

## Optical Specifications

**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

**Packaging Type** Reel

## Included Products

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

## \* Footnotes

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