



Fiber OSP cable, LightScope® ZWP Blown Micro Single Jacket, 96 fiber, All-Dielectric Stranded Loose Tube Arid-Core™ Construction, Gel-filled, 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	B-LN

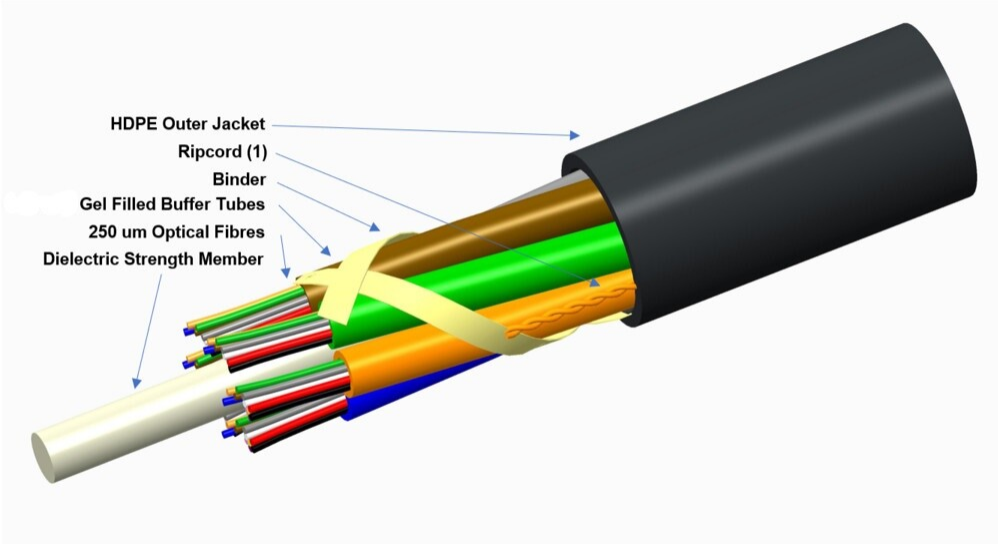
General Specifications

Cable Type	Stranded loose tube
Construction Type	Non-armored
Subunit Type	Gel-filled
Jacket Color	Black
Jacket Marking	Meters
Subunit, quantity	8
Fibers per Subunit, quantity	12
Total Fiber Count	96

Dimensions

Buffer Tube/Subunit Diameter	1.25 mm   0.049 in
Diameter Over Jacket	5.4 mm   0.213 in

Representative Image



## Material Specifications

Jacket Material

High density polyethylene (HDPE)

## Mechanical Specifications

Minimum Bend Radius, loaded	108 mm   4.252 in
Minimum Bend Radius, unloaded	80 mm   3.15 in
Tensile Load, long term, maximum	400 N   89.924 lbf
Tensile Load, short term, maximum	1000 N   224.809 lbf
Cable Crush Resistance, maximum	10 N/mm   57.101 lb/in
Compression Test Method	IEC 60794-1-21 E3
Flex	25 cycles
Flex Test Method	IEC 60794-1 E6
Impact	1 N-m   8.851 in lb
Impact Test Method	IEC 60794-1-21 E4
Strain	See long and short term tensile loads
Strain Test Method	IEC 60794-1-21 E1
Twist	10 cycles
Twist Test Method	IEC 60794-1-21 E7

## Optical Specifications

Fiber Type

G.652.D and G.657.A1

Optical Specifications, Wavelength Specific

**Attenuation, maximum** 0.22 dB/km @ 1,550 nm | 0.35 dB/km @ 1,310 nm

Environmental Specifications

<b>Installation temperature</b>	-15 °C to +40 °C (+5 °F to +104 °F)
<b>Operating Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Storage Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Cable Qualification Standards</b>	IEC 60794-5-10
<b>Environmental Space</b>	Air-blown, microduct
<b>Jacket UV Resistance</b>	UV stabilized
<b>Water Penetration</b>	24 h
<b>Water Penetration Test Method</b>	IEC 60794-1 F4

Environmental Test Specifications

<b>Drip</b>	70 °C   158 °F
<b>Drip Test Method</b>	IEC 60794-1-21 E14
<b>Heat Age</b>	-40 °C to +85 °C (-40 °F to +185 °F)
<b>Heat Age Test Method</b>	IEC 60794-1-22 F9
<b>Temperature Cycle</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Temperature Cycle Test Method</b>	IEC 60794-1-22 F1

Packaging and Weights

**Cable weight** 27 kg/km | 18.143 lb/kft

\* Footnotes

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