



Fiber OSP cable, LightScope® ZWP Blown Micro Single Jacket All-Dielectric, 96 fiber, Stranded Loose Tube Arid-Core™ Construction, Gel-filled, Singlemode G.652.D and G.657.A1, Feet jacket marking, Black jacket color, Build America Buy America (BABA)

Product Classification

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

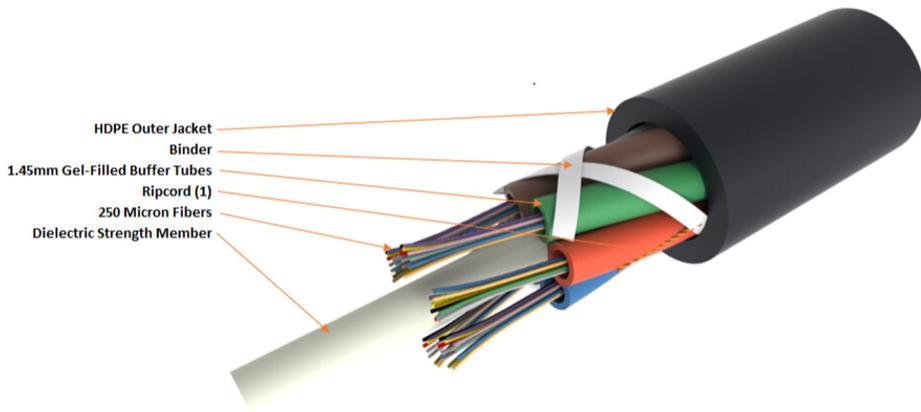
General Specifications

Cable Type	Stranded loose tube
Construction Type	Non-armored
Subunit Type	Gel-filled
Filler, quantity	0
Jacket Color	Black
Jacket Marking	Feet
Jacket Marking Method	Laser
Jacket Marking Text	COMMSCOPE OPTICAL CABLE OS2 SM 96F (SERIAL NUMBER) MM/YYYY XXXXXXXXFT
Subunit, quantity	8
Fibers per Subunit, quantity	12
Total Fiber Count	96

Dimensions

Buffer Tube/Subunit Diameter	1.45 mm 0.057 in
Diameter Over Jacket	6.5 mm 0.256 in

Representative Image



Material Specifications

Jacket Material High density polyethylene (HDPE)

Mechanical Specifications

Minimum Bend Radius, loaded	279.4 mm 11 in
Minimum Bend Radius, unloaded	110 mm 4.331 in
Tensile Load, long term, maximum	267 N 60.024 lbf
Tensile Load, short term, maximum	890 N 200.08 lbf
Compression	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	0.3 N-m 2.655 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
Vertical Rise, maximum	752 m 2,467.192 ft

Optical Specifications

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

Environmental Specifications

Installation temperature -30 °C to +70 °C (-22 °F to +158 °F)
Operating Temperature -30 °C to +70 °C (-22 °F to +158 °F)
Storage Temperature -30 °C to +75 °C (-22 °F to +167 °F)
Cable Qualification Standards 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 F4

Environmental Test Specifications

Cable Freeze -2 °C | 28.4 °F
Cable Freeze Test Method IEC 60794-1 F15
Drip 70 °C | 158 °F
Drip Test Method IEC 60794-1-21 E14
Heat Age -30 °C to +85 °C (-22 °F to +185 °F)
Heat Age Test Method IEC 60794-1-22 F9
Low High Bend -30 °C to +60 °C (-22 °F to +140 °F)
Low High Bend Test Method IEC 60794-1-21 E11
Temperature Cycle -30 °C to +70 °C (-22 °F to +158 °F)
Temperature Cycle Test Method IEC 60794-1-22 F1

Packaging and Weights

Cable weight 38 kg/km | 25.535 lb/kft

Included Products

CS-8W-250-B-LN – TeraSPEED® G652D/G657A1 Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable