

760252040 | O-144-LN-8Z-M12BK/22G/093



Fiber OSP cable, PE, Loose Tube Gel-filled, 144 fiber, Singlemode G.652.D and G.657.A1, Meters jacket marking, Black jacket color

Product Classification

Regional Availability	Asia Australia/New Zealand
Portfolio	CommScope®
Product Type	Fiber OSP cable
Product Series	O-LN

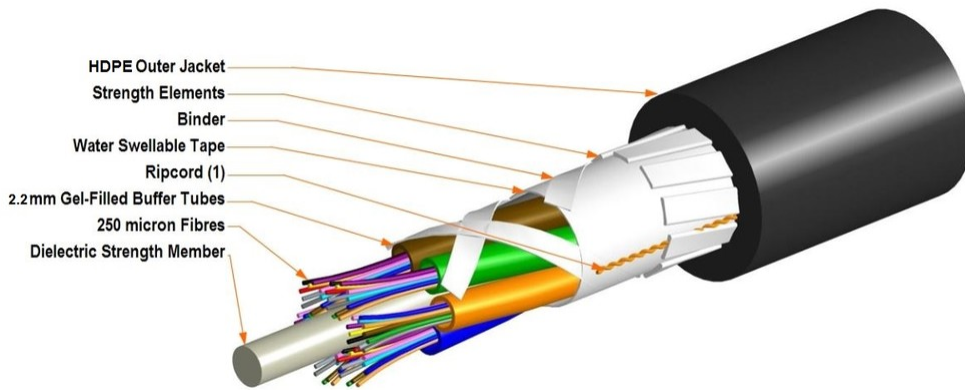
General Specifications

Cable Type	Stranded loose tube
Construction Type	Non-armored
Subunit Type	Gel-filled
Jacket Color	Black
Jacket Marking	Meters
Subunit, quantity	12
Fibers per Subunit, quantity	12
Total Fiber Count	144

Dimensions

Buffer Tube/Subunit Diameter	2.2 mm 0.087 in
Diameter Over Jacket	14.8 mm 0.583 in

Representative Image



Material Specifications

Jacket Material High density polyethylene (HDPE)

Mechanical Specifications

Minimum Bend Radius, loaded 296 mm | 11.654 in

Minimum Bend Radius, unloaded 148 mm | 5.827 in

Tensile Load, long term, maximum 890 N | 200.08 lbf

Tensile Load, short term, maximum 2700 N | 606.984 lbf

Compression 20 N/mm | 114.203 lb/in

Compression Test Method IEC 60794-1-2 E3

Flex 25 cycles

Strain See long and short term tensile loads

Strain Test Method IEC 60794-1-2-E1

Optical Specifications

Fiber Type G.652.D and G.657.A1 | OS2

Optical Specifications, Wavelength Specific

Attenuation, maximum 0.22 dB/km @ 1,550 nm | 0.38 dB/km @ 1,310 nm

Environmental Specifications

Installation temperature -10 °C to +60 °C (+14 °F to +140 °F)

Operating Temperature -40 °C to +70 °C (-40 °F to +158 °F)

Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F)

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Environmental Space Buried | Ducted | Outdoor

Water Penetration 24 h

Water Penetration Test Method IEC 60794-1 F5C

Environmental Test Specifications

Temperature Cycle -40 °C to +70 °C (-40 °F to +158 °F)

Temperature Cycle Test Method IEC 60794-1-2 F1

Packaging and Weights

Cable weight 160 kg/km | 107.515 lb/kft

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant



* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable