

# 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

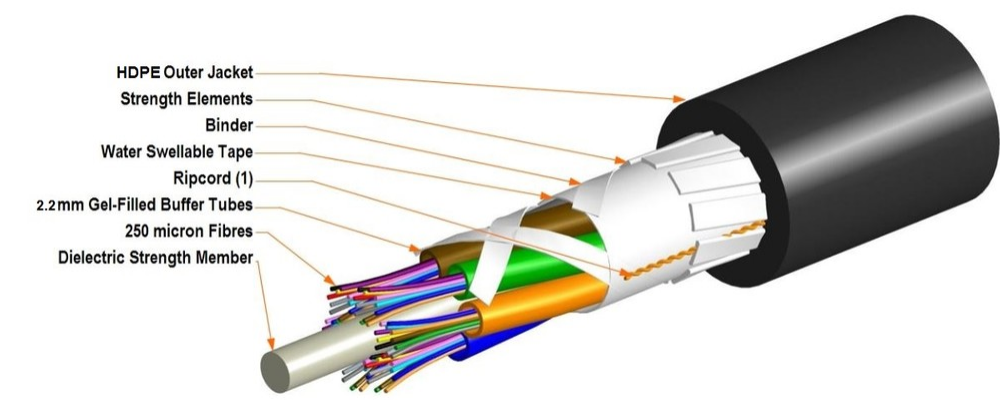
## General Specifications

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)

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
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Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



\* Footnotes

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