

Outdoor Fiber Optic Cable, 12-fiber, singlemode, OS2, PE, loose tube, gel-filled, cut length

Product Classification

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

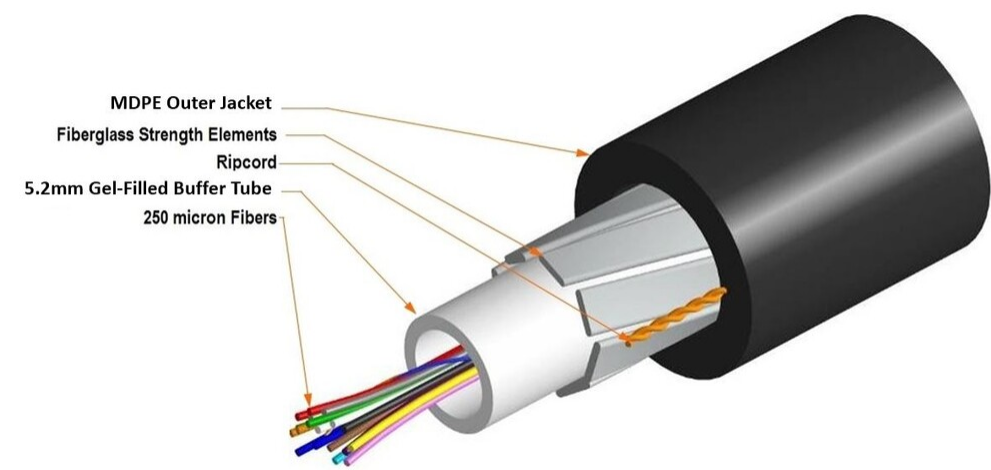
General Specifications

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

Dimensions

Buffer Tube/Subunit Diameter	5.2 mm   0.205 in
Diameter Over Jacket	8.5 mm   0.335 in

Representative Image



Material Specifications

**Jacket Material** MDPE

Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	170 mm   6.693 in
<b>Minimum Bend Radius, unloaded</b>	85 mm   3.346 in
<b>Tensile Load, long term, maximum</b>	890 N   200.08 lbf
<b>Tensile Load, short term, maximum</b>	2700 N   606.984 lbf
<b>Compression</b>	22 N/mm   125.623 lb/in
<b>Compression Test Method</b>	IEC 60794-1-2 E3
<b>Flex</b>	25 cycles
<b>Strain</b>	See long and short term tensile loads
<b>Strain Test Method</b>	IEC 60794-1-2-E1

Optical Specifications

**Fiber Type** G.652.D | OS2

Optical Specifications, Wavelength Specific

**Attenuation, maximum** 0.40 dB/km @ 1,550 nm | 0.50 dB/km @ 1,310 nm

Environmental Specifications

**Installation temperature** -30 °C to +60 °C (-22 °F to +140 °F)

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Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Environmental Space	Buried   Ducted   Outdoor
Water Penetration	24 h
Water Penetration Test Method	IEC 60794-1 F5C

## Packaging and Weights

Cable weight	60 kg/km   40.318 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
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