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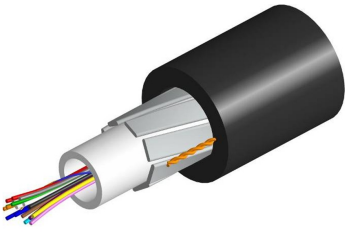
Outdoor Fiber Optic Cable, 12-fiber, singlemode, OS2, PE, loose tube, gel-filled, cut length

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

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MDPE Outer Jacket
Fiberglass Strength Elements
Ripcord
5.2mm Gel-Filled Buffer Tube
250 micron Fibers
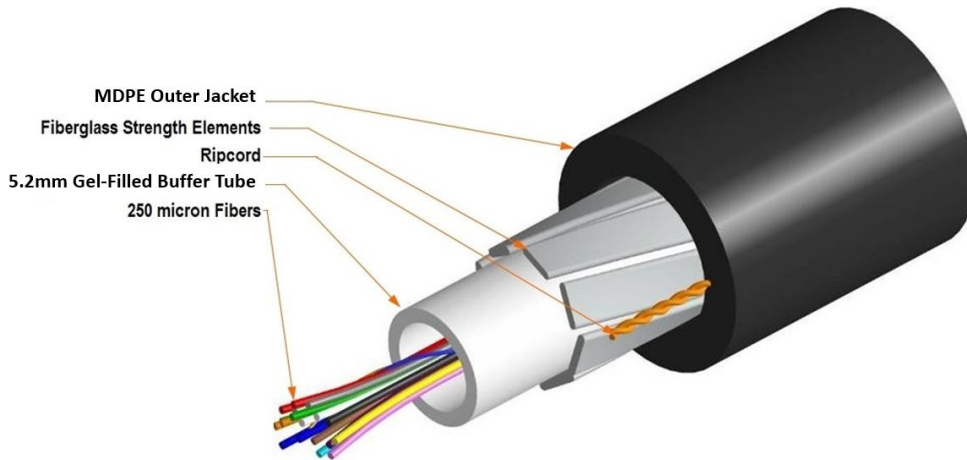
Material Specifications

Jacket Material	MDPE

Mechanical Specifications

Minimum Bend Radius, loaded	170 mm | 6.693 in
Minimum Bend Radius, unloaded	85 mm | 3.346 in
Tensile Load, long term, maximum	890 N | 200.08 lbf
Tensile Load, short term, maximum	2700 N | 606.984 lbf
Compression	22 N/mm | 125.623 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 | 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 Penentration	24 h
Water Penentration Test Method	IEC 60794-1 F5C

Packaging and Weights

Cable weight	60 kg/km	40.318 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

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