

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

## Product Classification

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

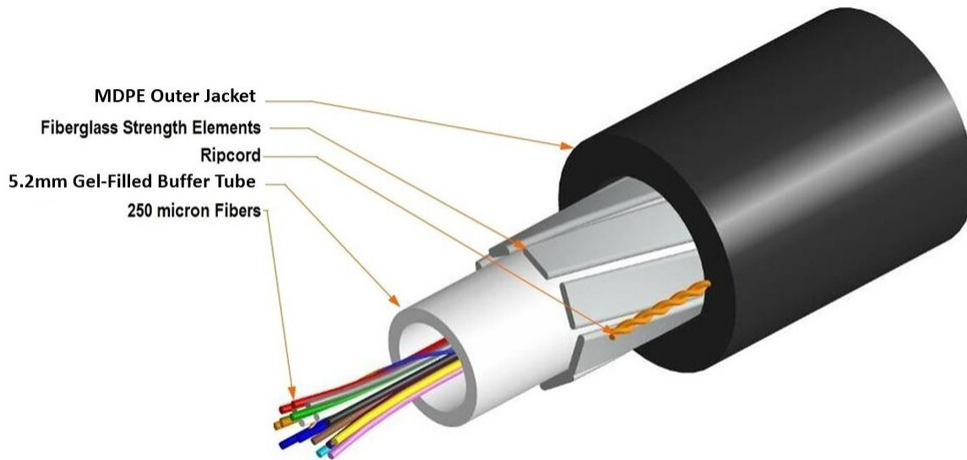
## General Specifications

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

## Dimensions

|                                     |                   |
|-------------------------------------|-------------------|
| <b>Buffer Tube/Subunit Diameter</b> | 5.2 mm   0.205 in |
| <b>Diameter Over Jacket</b>         | 8.5 mm   0.335 in |

## Representative Image



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

## Packaging and Weights

|                     |                          |
|---------------------|--------------------------|
| <b>Cable weight</b> | 60 kg/km   40.318 lb/kft |
|---------------------|--------------------------|

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>  |
|---------------|--|
| 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