

Fiber OSP cable, PE, Gel-filled Central Tube, All-dielectric, 12 fiber, Multimode OM5, Meters jacket marking, Black jacket color

## 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                         |

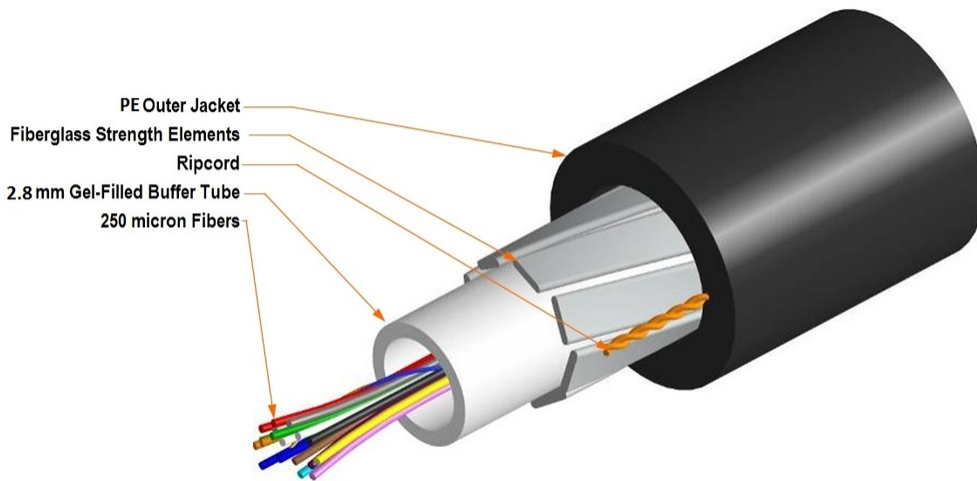
## General Specifications

|                                     |                    |
|-------------------------------------|--------------------|
| <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> | 2.8 mm   0.11 in |
| <b>Diameter Over Jacket</b>         | 6 mm   0.236 in  |

## Representative Image



## Material Specifications

**Jacket Material** PE

## Mechanical Specifications

**Minimum Bend Radius, loaded** 120 mm | 4.724 in  
**Minimum Bend Radius, unloaded** 60 mm | 2.362 in  
**Tensile Load, long term, maximum** 300 N | 67.443 lbf  
**Tensile Load, short term, maximum** 1000 N | 224.809 lbf  
**Compression** 15 N/mm | 85.652 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** OM5

## Optical Specifications, Wavelength Specific

**Attenuation, maximum** 1.00 dB/km @ 1,300 nm | 3.00 dB/km @ 850 nm

## Environmental Specifications

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

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

## Environmental Test Specifications

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| <b>Temperature Cycle</b>             | -40 °C to +70 °C (-40 °F to +158 °F) |
| <b>Temperature Cycle Test Method</b> | IEC 60794-1-2 F1                     |

## Packaging and Weights

|                     |                          |
|---------------------|--------------------------|
| <b>Cable weight</b> | 35 kg/km   23.519 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