

Fiber OSP cable, Triple Jacket, Anti Termite, All-Dielectric, 12 fiber, Gel Filled, Mini Stranded Loose Tube, Multimode OM4, 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-N3                         |

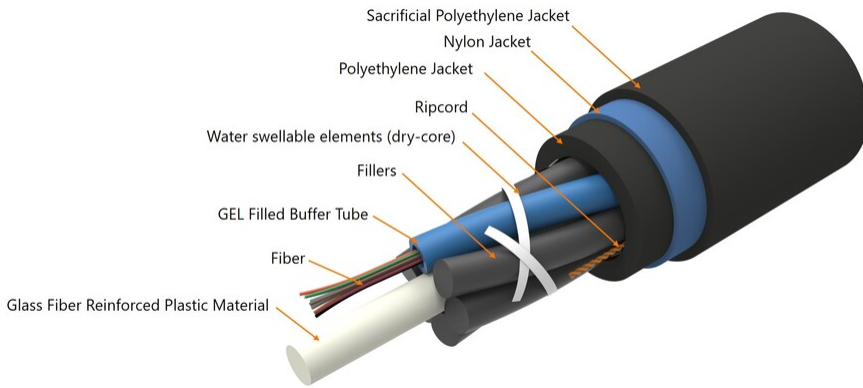
## General Specifications

|                                     |                     |
|-------------------------------------|---------------------|
| <b>Cable Type</b>                   | Stranded loose tube |
| <b>Subunit Type</b>                 | Gel-filled          |
| <b>Filler, quantity</b>             | 5                   |
| <b>Jacket Color</b>                 | Black               |
| <b>Jacket Marking</b>               | Meters              |
| <b>Subunit, quantity</b>            | 1                   |
| <b>Fibers per Subunit, quantity</b> | 12                  |
| <b>Total Fiber Count</b>            | 12                  |

## Dimensions

|                                     |                    |
|-------------------------------------|--------------------|
| <b>Buffer Tube/Subunit Diameter</b> | 1.55 mm   0.061 in |
| <b>Diameter Over Jacket</b>         | 7.3 mm   0.287 in  |

## Representative Image



## Material Specifications

**Jacket Material** Alternative jacket PE | Nylon | PE

## Mechanical Specifications

|  |   |
|--|---|
| <b>Minimum Bend Radius, loaded</b>       | 150 mm   5.906 in   |
| <b>Minimum Bend Radius, unloaded</b>     | 75 mm   2.953 in  |
| <b>Tensile Load, long and short term</b> | See Sag and Tension tables in Product Documentation section |
| <b>Tensile Load, long term, maximum</b>  | 1000 N   224.809 lbf  |
| <b>Compression</b>                       | 20 N/mm   114.203 lb/in                                     |
| <b>Compression Test Method</b>           | IEC 60794-1 E3  |
| <b>Flex</b>                              | 25 cycles   |
| <b>Impact</b>                            | 1 N-m   8.851 in lb   |
| <b>Impact Test Method</b>                | IEC 60794-1 E4  |
| <b>Strain</b>                            | See long and short term tensile loads                       |
| <b>Strain Test Method</b>                | IEC 60794-1 E1  |
| <b>Twist</b>                             | 10 cycles   |
| <b>Twist Test Method</b>                 | IEC 60794-1-21 E7   |

## Optical Specifications

**Fiber Type** OM4

## Optical Specifications, Wavelength Specific

**Attenuation, maximum** 0.70 dB/km @ 1,300 nm | 2.50 dB/km @ 850 nm

## Environmental Specifications

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| <b>Installation temperature</b>      | 0 °C to +50 °C (+32 °F to +122 °F)   |
| <b>Operating Temperature</b>         | -10 °C to +70 °C (+14 °F to +158 °F) |
| <b>Storage Temperature</b>           | -20 °C to +70 °C (-4 °F to +158 °F)  |
| <b>Cable Qualification Standards</b> | IEC 60794-5-10                       |
| <b>Jacket UV Resistance</b>          | UV stabilized                        |
| <b>Water Penetration</b>             | 24 h                                 |
| <b>Water Penetration Test Method</b> | IEC 60794-1 F5                       |

## Environmental Test Specifications

|                                      |                                    |
|--------------------------------------|------------------------------------|
| <b>Heat Age</b>                      | 0 °C to +85 °C (+32 °F to +185 °F) |
| <b>Heat Age Test Method</b>          | IEC 60794-1 F9                     |
| <b>Low High Bend Test Method</b>     | IEC 60794-1 E11                    |
| <b>Temperature Cycle Test Method</b> | IEC 60794-1 F1                     |

## Packaging and Weights

|                     |                          |
|---------------------|--------------------------|
| <b>Cable weight</b> | 43 kg/km   28.895 lb/kft |
|---------------------|--------------------------|

## \* Footnotes

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