# 1-599148-5

## Fiber Optic Cable, 12-fiber, OM1, 1 km, orange

> **OBSOLETE**
> This product was discontinued on: June 13, 2018

## Product Classification

| | |
|---|---|
| **Regional Availability** | Asia   |   Australia/New Zealand   |   EMEA |
| **Portfolio** | CommScope® |
| **Product Type** | Fiber indoor/outdoor cable |

## General Specifications

| | |
|---|---|
| **Cable Type** | Tight buffer |
| **Fibers per Subunit, quantity** | 12 |
| **Jacket Color** | Orange |
| **Total Fiber Count** | 12 |

## Dimensions

| | |
|---|---|
| **Cable Length** | 1000 m   |   3,280.84 ft |
| **Diameter Over Jacket** | 7.5 mm   |   0.295 in |

## Mechanical Specifications

| | |
|---|---|
| **Minimum Bend Radius, loaded** | 115 mm   |   4.528 in |
| **Minimum Bend Radius, unloaded** | 75 mm   |   2.953 in |
| **Tensile Load, long term, maximum** | 600 N   |   134.885 lbf |
| **Tensile Load, short term, maximum** | 1000 N   |   224.809 lbf |

## Optical Specifications

| | |
|---|---|
| **Fiber Type** | OM1 |

## Optical Specifications, Wavelength Specific

| | |
|---|---|
| **Attenuation, maximum** | 0.90 dB/km @ 1,300 nm |
| **Standards Compliance** | IEC 60794-1   |   TIA-492AAAA (OM1) |

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## Environmental Specifications

| | |
|---|---|
| **Installation temperature** | -5 °C to +50 °C (+23 °F to +122 °F) |
| **Operating Temperature** | -20 °C to +70 °C (-4 °F to +158 °F) |
| **Storage Temperature** | -20 °C to +70 °C (-4 °F to +158 °F) |
| **EN50575 CPR Cable EuroClass Fire Performance** | Dca |
| **EN50575 CPR Cable EuroClass Smoke Rating** | s2 |
| **EN50575 CPR Cable EuroClass Droplets Rating** | d1 |
| **EN50575 CPR Cable EuroClass Acidity Rating** | a1 |
| **Environmental Space** | Universal Low Smoke Zero Halogen (ULSZH) |

## Packaging and Weights

| | |
|---|---|
| **Cable weight** | 56 kg/km  \|  37.63 lb/kft |

## Regulatory Compliance/Certifications

| Agency | Classification |
|---|---|
| CENELEC | EN 50575 compliant, Declaration of Performance (DoP) available |
| CHINA-ROHS | Below maximum concentration value |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |

## * Footnotes

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

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