



Indoor/outdoor Fiber Optic Cable, 12-fiber, office distribution, multimode, OM4, ULSZH, orange. Provides Rodent Resistance.

- designed to offer flexibility, strength and compact construction for internal and interbuilding use
- non-metallic construction reinforced by E-glass yarns, which provide rodent resistance and higher tensile strength
- oversheathed with a ULSZH jacket meeting IEC fire performance requirements

## Product Classification

|                              |                            |
|------------------------------|----------------------------|
| <b>Regional Availability</b> | Asia   EMEA                |
| <b>Portfolio</b>             | CommScope®                 |
| <b>Product Type</b>          | Fiber indoor/outdoor cable |
| <b>Product Series</b>        | C-DS                       |

## General Specifications

|                                     |   |
|-------------------------------------|---|
| <b>Cable Type</b>                   | Tight buffer  |
| <b>Jacket Color</b>                 | Orange  |
| <b>Jacket Marking</b>               | Meters  |
| <b>Jacket Marking Method</b>        | Inkjet  |
| <b>Jacket Marking Text</b>          | COMMSCOPE GB OPTICAL CABLE 9-1592145-1 12x50/125 OM4 EN50575 CLASS C ULSZH [Serial NUMBER] [METRE MARK] |
| <b>Strength Members</b>             | E-glass yarns   |
| <b>Fibers per Subunit, quantity</b> | 12  |
| <b>Total Fiber Count</b>            | 12  |

## Dimensions

|                             |                 |
|-----------------------------|-----------------|
| <b>Diameter Over Jacket</b> | 8 mm   0.315 in |
|-----------------------------|-----------------|

## Mechanical Specifications

|  |                         |
|--|-------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 150 mm   5.906 in       |
| <b>Minimum Bend Radius, unloaded</b>     | 90 mm   3.543 in        |
| <b>Tensile Load, short term, maximum</b> | 1500 N   337.214 lbf    |
| <b>Cable Crush Resistance, maximum</b>   | 20 N/mm   114.203 lb/in |

## Optical Specifications

# 9-1592145-1 | C-012-DS-5K-MSUOR/GY/C

**Fiber Type** OM4, LazrSPEED®

## Optical Specifications, Wavelength Specific

**Standards Compliance** IEC 60794-1 | TIA-492AAAD (OM4)

## Environmental Specifications

**Installation temperature** -5 °C to +50 °C (+23 °F to +122 °F)

**Operating Temperature** -20 °C to +60 °C (-4 °F to +140 °F)

**Storage Temperature** -20 °C to +60 °C (-4 °F to +140 °F)

**EN50575 CPR Cable EuroClass Fire Performance** Cca

**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** 69 kg/km | 46.366 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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS       | Compliant  |
| UK-ROHS    | Compliant  |



## Included Products

CS-5K-LT – LazrSPEED® 550 OM4 Bend-Insensitive Multimode Fiber

## \* Footnotes

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