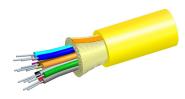# 4-1594849-6  |  C-002-DS-8G-MSUYL/GY/C

Fiber Indoor/outdoor Cable, 2-fiber, office distribution, ULSZH, Gel-free, Singlemode G.657.A2, Meters jacket marking, Yellow jacket color, Cca flame rating. 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

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

## General Specifications

| | |
|---|---|
| **Cable Type** | Tight buffer |
| **Jacket Color** | Yellow |
| **Jacket Marking** | Meters |
| **Jacket Marking Method** | Inkjet |
| **Jacket Marking Text** | COMMSCOPE GB OPTICAL CABLE 4-1594849-6 2X9/125 G657A2 EN50575 CLASS C ULSZH [Serial NUMBER] [METRE MARK] |
| **Strength Members** | E-glass yarns |
| **Fibers per Subunit, quantity** | 2 |
| **Total Fiber Count** | 2 |

## Dimensions

| | |
|---|---|
| **Diameter Over Jacket** | 5.2 mm   |   0.205 in |

## Mechanical Specifications

| | |
|---|---|
| **Minimum Bend Radius, loaded** | 130 mm   |   5.118 in |
| **Minimum Bend Radius, unloaded** | 80 mm   |   3.15 in |
| **Tensile Load, short term, maximum** | 1000 N   |   224.809 lbf |
| **Cable Crush Resistance, maximum** | 20 N/mm   |   114.203 lb/in |

COMMSCOPE®

# 4-1594849-6 | C-002-DS-8G-MSUYL/GY/C

## Optical Specifications

| | |
|---|---|
| **Fiber Type** | G.657.A2, TeraSPEED® |

## Optical Specifications, Wavelength Specific

| | |
|---|---|
| **Attenuation, maximum** | 0.50 dB/km @ 1,310 nm   \|   0.50 dB/km @ 1,550 nm |
| **Standards Compliance** | IEC 60794-1   \|   ITU-T G.657.A2 |

## 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** | 32 kg/km   \|   21.503 lb/kft |

## Regulatory Compliance/Certifications

| Agency | Classification |
|---|---|
| CHINA-ROHS | Below maximum concentration value |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |

## Included Products

| CS-8G-TB | – | Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber (ITU-T G.657.A2, B2) |
|---|---|---|

## * Footnotes

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

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