



Indoor/outdoor Fiber Optic Cable, 8-fiber, office distribution, singlemode, ULSZH, yellow. 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 1594679-6 8X9/125 OS2 EN50575 CLASS C ULSZH (Serial no) (metre mark)
Strength Members	E-glass yarns
Fibers per Subunit, quantity	8
Total Fiber Count	8

Dimensions

Diameter Over Jacket	6.4 mm 0.252 in
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Mechanical Specifications

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

Optical Specifications

1594679-6 | C-008-DS-8W-MSUYL/GY/C

Fiber Type OS1a

Optical Specifications, Wavelength Specific

Standards Compliance IEC 60794-1 | TIA-492CAAB (OS2)

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 49 kg/km | 32.926 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
UK-ROHS	Compliant



Included Products

CS-8W-250-EMEA – LightScope® ZWP Singlemode Fiber
8W-250um

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable