



Fiber Indoor/outdoor Cable, office distribution, 24 fiber, ULSZH, Gel-free, Singlemode G.652.D and G.657.A1, 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 1594559-6 24x9/125 OS2 EN50575 CLASS C ULSZH [Serial NUMBER] [METRE MARK]
Strength Members	E-glass yarns
Total Fiber Count	24

## Dimensions

Diameter Over Jacket	9.5 mm   0.374 in
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## Mechanical Specifications

Minimum Bend Radius, loaded	240 mm   9.449 in
Minimum Bend Radius, unloaded	150 mm   5.906 in
Tensile Load, short term, maximum	2000 N   449.618 lbf
Cable Crush Resistance, maximum	20 N/mm   114.203 lb/in

## Optical Specifications

# 1594559-6 | C-024-DS-8W-MSUYL/GY/C

Fiber Type	OS2
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	92 kg/km   61.821 lb/kft
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## 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-8W-TB – TeraSPEED® Singlemode Fiber

## \* Footnotes

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