

Fiber indoor/outdoor cable, TeraSPEED® High Tensile Strength (LSZH) Mini All-Dielectric Single Jacket, 36 fiber, Singlemode G.652.D and G.657. A1, Gel-Filled, Stranded Loose Tube, Meters jacket marking, Dca flame rating. Provides Rodent Resistance

### Product Classification

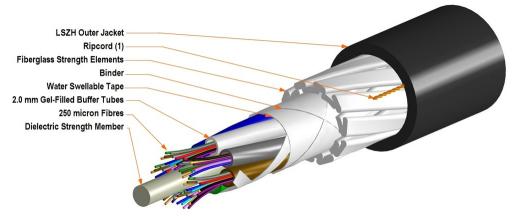
Perional Availability	Asia   Australia/New Zealand   EMEA
Regional Availability	
Portfolio	CommScope®
Product Type	Fiber indoor/outdoor cable
Product Series	C-LN
General Specifications	
Cable Type	Stranded loose tube
Subunit Type	Gel-filled
Filler, quantity	3
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMSCOPE GB OPTICAL CABLE 760243329 36X OS2 SM LSZH EN50575 CLASS D [SERIAL NUMBER] [METER MARK]
Subunit, quantity	3
Fibers per Subunit, quantity	12
Total Fiber Count	36
Dimensions	
Buffer Tube/Subunit Diameter	2 mm   0.079 in
Diameter Over Jacket	12.8 mm   0.504 in

Representative Image

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## Mechanical Specifications

Minimum Bend Radius, loaded	193 mm   7.598 in
Minimum Bend Radius, unloaded	128 mm   5.039 in
Tensile Load, long term, maximum	1500 N   337.214 lbf
Tensile Load, short term, maximum	4500 N   1,011.641 lbf
Compression	22 N/mm   125.623 lb/in
Compression Test Method	IEC 60794-1 E3
Flex	25 cycles
Flex Test Method	IEC 60794-1 E6
Impact Test Method	IEC 60794-1 E4
Strain	See long and short term tensile loads
Strain Test Method	IEC 60794-1 E1
Twist	10 cycles
Twist Test Method	IEC 60794-1 E7
Vertical Rise, maximum	816 m   2,677.165 ft
Optical Specifications	

Fiber Type

G.652.D and G.657.A1, TeraSPEED® | OS2

#### **Environmental Specifications**

Installation temperature	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)

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Cable Qualification Standards	EN 187105   IEC 60794-1-2
EN50575 CPR Cable EuroClass Fire Performance	Dca
EN50575 CPR Cable EuroClass Smoke Rating	s2
EN50575 CPR Cable EuroClass Droplets Rating	d0
EN50575 CPR Cable EuroClass Acidity Rating	al
Environmental Space	Aerial, lashed   Buried   Low Smoke Zero Halogen (LSZH)
Flame Test Method	IEC 60332-1-2   IEC 60754-2   IEC 61034-2
Jacket UV Resistance	UV stabilized
Water Penetration	24 h
Water Penetration Test Method	IEC 60794-1 F5

### Environmental Test Specifications

Cable Freeze	-2 °C   28.4 °F
Cable Freeze Test Method	IEC 60794-1 F15
Heat Age	-40 °C to +85 °C (-40 °F to +185 °F)
Heat Age Test Method	IEC 60794-1 F9
Low High Bend	-30 °C to +60 °C (-22 °F to +140 °F)
Low High Bend Test Method	IEC 60794-1 E11
Temperature Cycle	-40 °C to +70 °C (-40 °F to +158 °F)
Temperature Cycle Test Method	IEC 60794-1 F1

### Packaging and Weights

#### Cable weight

178 kg/km | 119.61 lb/kft

### Regulatory Compliance/Certifications

Agency	Classification
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

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**COMMSCOPE**°

#### Included Products

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

### \* Footnotes

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

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