



Fiber indoor/outdoor cable, LightScope® ZWP Outdoor Retractable Façade Distribution, 24 fiber, Singlemode G.657.A1, Gel-free, White jacket color

Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America
Portfolio	CommScope®
Product Type	Fiber indoor/outdoor cable
Product Series	C-RD

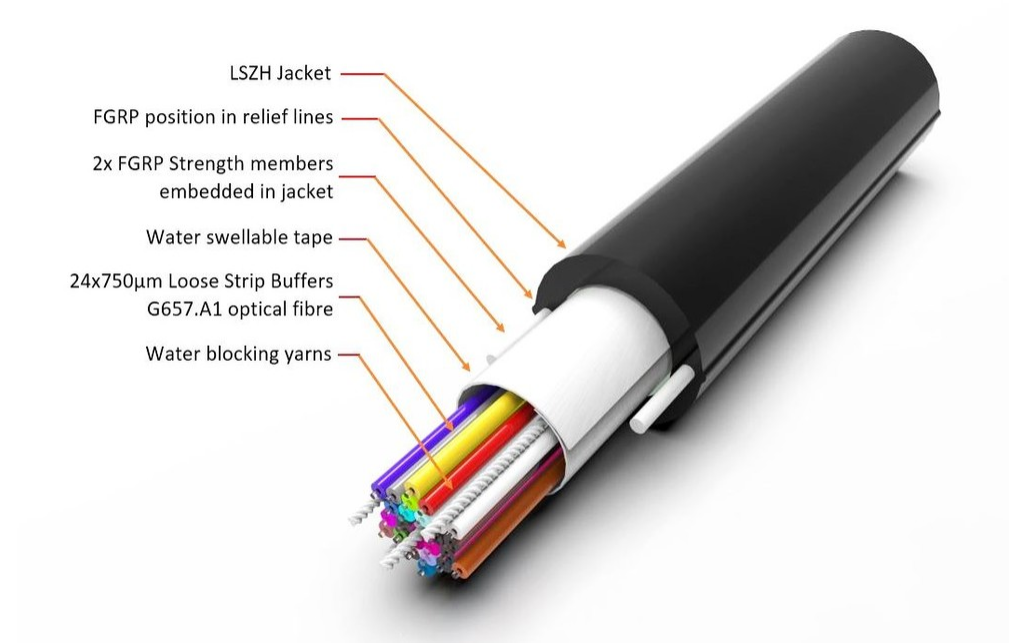
General Specifications

Cable Type	Distribution Loose tube
Construction Type	Non-armored
Subunit Type	Gel-free
Filler, quantity	4
Jacket Color	White
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMScope GB F.O. CABLE 810009758/DB 24x9 /125 G657A1 ULSZH (serial number) (metre mark)
Subunit, quantity	24
Fibers per Subunit, quantity	1
Total Fiber Count	24

Dimensions

Cable Length	1000 m 3,280.84 ft
Buffer Tube/Subunit Diameter	0.75 mm 0.03 in
Diameter Over Jacket	9.2 mm 0.362 in

Representative Image



Material Specifications

Jacket Material

Low Smoke Zero Halogen (LSZH)

Mechanical Specifications

Minimum Bend Radius, loaded	50 mm 1.969 in
Minimum Bend Radius, unloaded	55 mm 2.165 in
Tensile Load, long term, maximum	100 N 22.481 lbf
Tensile Load, short term, maximum	250 N 56.202 lbf
Compression	5 N/mm 28.551 lb/in
Compression Test Method	IEC 60794-1-21 E3
Flex	25 cycles
Flex Test Method	IEC 60794-1 E6
Impact	5 N-m 44.254 in lb
Impact Test Method	IEC 60794-1-21 E4
Strain	See long and short term tensile loads
Strain Test Method	IEC 60794-1-21 E1
Twist	10 cycles
Twist Test Method	IEC 60794-1-21 E7

Vertical Rise, maximum

492 m | 1,614.173 ft

Optical Specifications

Fiber Type

G.657.A1

Environmental Specifications

Installation temperature

-20 °C to +70 °C (-4 °F to +158 °F)

Operating Temperature

-40 °C to +70 °C (-40 °F to +158 °F)

Storage Temperature

-40 °C to +70 °C (-40 °F to +158 °F)

Cable Qualification Standards

IEC 60794-1-2

EN50575 CPR Cable EuroClass Fire Performance

Dca

EN50575 CPR Cable EuroClass Smoke Rating

s2

EN50575 CPR Cable EuroClass Droplets Rating

d2

EN50575 CPR Cable EuroClass Acidity Rating

a2

Environmental Space

Facade | Outdoor

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 F4

Environmental Test Specifications

Cable Freeze

-2 °C | 28.4 °F

Cable Freeze Test Method

IEC 60794-1 F15

Drip

70 °C | 158 °F

Drip Test Method

IEC 60794-1-21 E14

Heat Age Test Method

IEC 60794-1-22 F9

Low High Bend

-30 °C to +60 °C (-22 °F to +140 °F)

Low High Bend Test Method

IEC 60794-1-21 E11

Temperature Cycle

-30 °C to +70 °C (-22 °F to +158 °F)

Temperature Cycle Test Method

IEC 60794-1-22 F1

Packaging and Weights

Cable weight

46 kg/km | 30.911 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-8F-LT	- Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber
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* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable