# 760246294 | Z-576-CN-RR-F12BK/8G1/99G/C



Fiber indoor/outdoor cable, All-Dielectric, LSZH Riser-Rated, Gel-Free, Central Tube Rollable Ribbon, 576 fiber, Singlemode G.657.A2/B2, Feet jacket marking, Black jacket color, Cca flame rating

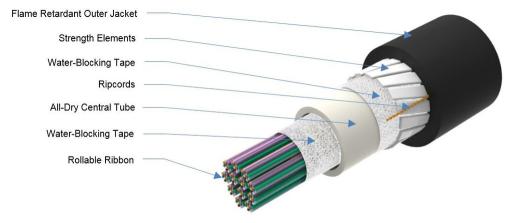
## Product Classification

Regional Availability	Asia   Australia/New Zealand   EMEA   Latin America   North America
Portfolio	CommScope®
Product Type	Fiber indoor/outdoor cable
Product Series	Z-CN
General Specifications	
Cable Type	Ribbon central tube
Construction Type	Non-armored
Subunit Type	Gel-free
Fibers per Ribbon, quantity	12
Jacket Color	Black
Jacket Marking	Feet
Total Fiber Count	576
Dimensions	
Buffer Tube/Subunit Diameter	12 mm   0.472 in
Diameter Over Jacket	17 mm   0.669 in
Representative Image	

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### Mechanical Specifications

Minimum Bend Radius, loaded	340 mm   13.386 in
Minimum Bend Radius, unloaded	127 mm   5 in
Tensile Load, long term, maximum	800 N   179.847 lbf
Tensile Load, short term, maximum	2670 N   600.24 lbf
Compression	10 N/mm   57.101 lb/in
Compression Test Method	FOTP-41   IEC 60794-1 E3
Flex	25 cycles
Flex Test Method	FOTP-104   IEC 60794-1 E6
Impact	2.94 N-m   26.021 in lb
Impact Test Method	FOTP-25   IEC 60794-1 E4
Strain	See long and short term tensile loads
Strain Test Method	FOTP-33   IEC 60794-1 E1
Twist	10 cycles
Twist Test Method	FOTP-85   IEC 60794-1 E7
Optical Specifications	

Fiber Type

G.657.A2/B2 | G.657.A2/B2

## Environmental Specifications

Installation temperature	-20 °C to +60 °C (-4 °F to +140 °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)

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Cable Qualification Standards	ANSI/ICEA S-104-696   EN 187105   Telcordia GR-409
EN50575 CPR Cable EuroClass Fire Performance	Сса
EN50575 CPR Cable EuroClass Smoke Rating	s1b
EN50575 CPR Cable EuroClass Droplets Rating	d0
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Aerial, lashed   Buried   Low Smoke Zero Halogen (LSZH)   Riser
Flame Test Listing	NEC OFNR-ST1 (ETL) and c(ETL)
Flame Test Method	CSA FT4   IEC 60332-1-2   IEC 60754-2   IEC 61034-2   UL 1666   UL 1685
Jacket UV Resistance	UV stabilized
Water Penetration	24 h
Water Penetration Test Method	FOTP-82   IEC 60794-1 F5

## Environmental Test Specifications

Cable Freeze	-2 °C   28.4 °F
Cable Freeze Test Method	FOTP-98   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	-20 °C to +60 °C (-4 °F to +140 °F)
Low High Bend Test Method	FOTP-37   IEC 60794-1 E11
Temperature Cycle	-20 °C to +70 °C (-4 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3   IEC 60794-1 F1

# Packaging and Weights

#### Cable weight

283 kg/km | 190.167 lb/kft

### Regulatory Compliance/Certifications

#### Agency

ANATEL

#### **Classification** Compliant



#### Included Products

CS-8G1-RR-I/O

Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Rollable Ribbon Fiber (ITU-T G.657.A2, B2)

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### \* Footnotes

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

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