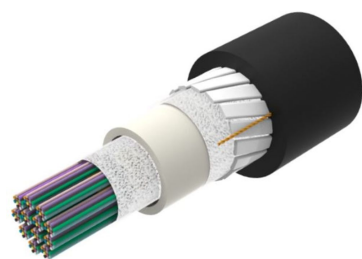


# 760246164 | Z-864-CN-RR-F12BK/8G1/99G/C



Fiber indoor/outdoor cable, All-Dielectric, LSZH, Riser-Rated, Gel-Free, Central Tube Rollable Ribbon, 864 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

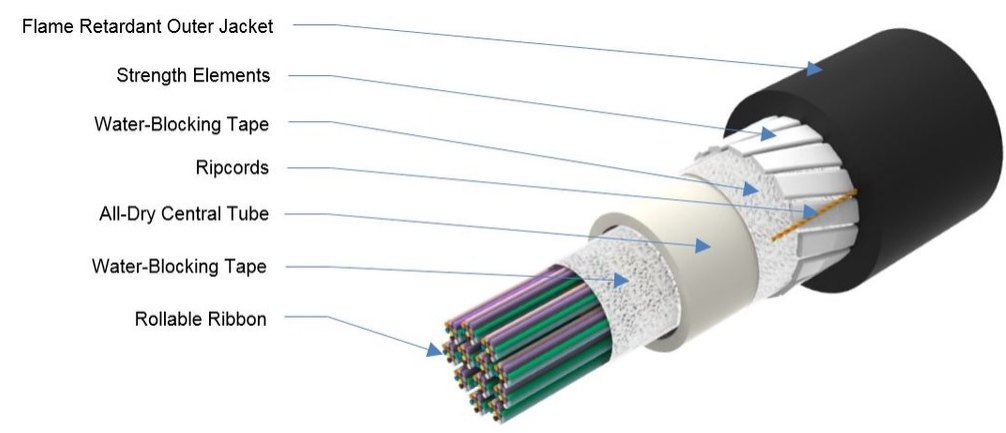
## General Specifications

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	864

## Dimensions

Buffer Tube/Subunit Diameter	14 mm   0.551 in
Diameter Over Jacket	19.5 mm   0.768 in

## Representative Image



Mechanical Specifications

Minimum Bend Radius, loaded	390 mm   15.354 in
Minimum Bend Radius, unloaded	153 mm   6.024 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
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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

Cca

### 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

490 kg/km | 329.265 lb/kft

## Regulatory Compliance/Certifications

### Agency

### Classification

ANATEL

Compliant

CHINA-ROHS

Below maximum concentration value

REACH-SVHC

Compliant as per SVHC revision on [www.commscope.com/ProductCompliance](http://www.commscope.com/ProductCompliance)

ROHS

Compliant

UK-ROHS

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