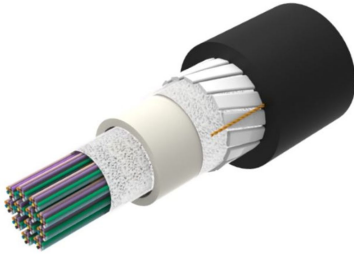


# 760239021 | Z-144-CN-RR-F12BK/8G1/99G/C



Fiber indoor/outdoor cable, All-Dielectric, LSZH Riser-Rated, 144 fiber, Gel-Free, Central Tube Rollable Ribbon, 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

144

## Dimensions

### Buffer Tube/Subunit Diameter

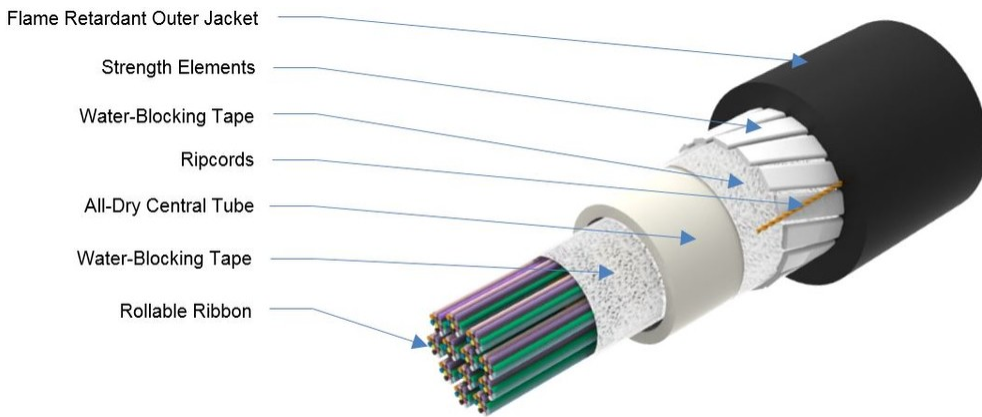
6.1 mm | 0.24 in

### Diameter Over Jacket

10.5 mm | 0.413 in

## Representative Image

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## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	210 mm   8.268 in
<b>Minimum Bend Radius, unloaded</b>	77 mm   3.031 in
<b>Tensile Load, long term, maximum</b>	800 N   179.847 lbf
<b>Tensile Load, short term, maximum</b>	2670 N   600.24 lbf
<b>Compression</b>	10 N/mm   57.101 lb/in
<b>Compression Test Method</b>	FOTP-41   IEC 60794-1 E3
<b>Flex</b>	25 cycles
<b>Flex Test Method</b>	FOTP-104   IEC 60794-1 E6
<b>Impact</b>	2.94 N-m   26.021 in lb
<b>Impact Test Method</b>	FOTP-25   IEC 60794-1 E4
<b>Strain</b>	See long and short term tensile loads
<b>Strain Test Method</b>	FOTP-33   IEC 60794-1 E1
<b>Twist</b>	10 cycles
<b>Twist Test Method</b>	FOTP-85   IEC 60794-1 E7

## Optical Specifications

<b>Fiber Type</b>	G.657.A2/B2   G.657.A2/B2
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## Environmental Specifications

<b>Installation temperature</b>	-20 °C to +60 °C (-4 °F to +140 °F)
<b>Operating Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Storage Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)

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<b>Cable Qualification Standards</b>	ANSI/ICEA S-104-696   EN 187105   Telcordia GR-409
<b>EN50575 CPR Cable EuroClass Fire Performance</b>	Cca
<b>EN50575 CPR Cable EuroClass Smoke Rating</b>	s1a
<b>EN50575 CPR Cable EuroClass Droplets Rating</b>	d0
<b>EN50575 CPR Cable EuroClass Acidity Rating</b>	a1
<b>Environmental Space</b>	Aerial, lashed   Buried   Low Smoke Zero Halogen (LSZH)   Riser
<b>Flame Test Listing</b>	NEC OFNR-ST1 (ETL) and c(ETL)
<b>Flame Test Method</b>	CSA FT4   IEC 60332-1-2   IEC 60754-2   IEC 61034-2   UL 1666   UL 1685
<b>Jacket UV Resistance</b>	UV stabilized
<b>Water Penetration</b>	24 h
<b>Water Penetration Test Method</b>	FOTP-82   IEC 60794-1 F5

## Environmental Test Specifications

<b>Cable Freeze</b>	-2 °C   28.4 °F
<b>Cable Freeze Test Method</b>	FOTP-98   IEC 60794-1 F15
<b>Heat Age</b>	-40 °C to +85 °C (-40 °F to +185 °F)
<b>Heat Age Test Method</b>	IEC 60794-1 F9
<b>Low High Bend</b>	-20 °C to +60 °C (-4 °F to +140 °F)
<b>Low High Bend Test Method</b>	FOTP-37   IEC 60794-1 E11
<b>Temperature Cycle</b>	-20 °C to +70 °C (-4 °F to +158 °F)
<b>Temperature Cycle Test Method</b>	FOTP-3   IEC 60794-1 F1

## Packaging and Weights

<b>Cable weight</b>	122 kg/km   81.98 lb/kft
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## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
ANATEL	Compliant
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



## Included Products

# 760239021 | Z-144-CN-RR-F12BK/8G1/99G/C

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CS-8G1-RR-I/O

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

## \* Footnotes

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