



Fiber indoor/outdoor Cable, LSZH Riser All-Dielectric Central Tube Ribbon, Multimode OM3 bend insensitive, 48-fiber, feet jacket marking, black jacket color

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber indoor/outdoor cable
<b>Product Series</b>	Z-CN

## General Specifications

<b>Cable Type</b>	Ribbon central tube
<b>Construction Type</b>	Non-armored
<b>Subunit Type</b>	Gel-free
<b>Fibers per Ribbon, quantity</b>	12
<b>Jacket Color</b>	Black
<b>Jacket Marking</b>	Feet
<b>Total Fiber Count</b>	48

## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	6 mm   0.236 in
<b>Diameter Over Jacket</b>	13 mm   0.512 in

## Representative Image



## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	259.1 mm   10.201 in
<b>Minimum Bend Radius, unloaded</b>	129.5 mm   5.098 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>	22 N/mm   125.623 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>	OM3, bend insensitive   OM3, bend insensitive
-------------------	---

## Environmental Specifications

<b>Installation temperature</b>	-30 °C to +60 °C (-22 °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 +75 °C (-40 °F to +167 °F)

# 760211557 | Z-048-CN-RB-F12NS/5Y/99F

---

## Cable Qualification Standards

ANSI/ICEA S-104-696 | Telcordia GR-20 | Telcordia GR-409

## Environmental Space

Aerial, lashed | Buried | Low Smoke Zero Halogen (LSZH) | Riser

## Flame Test Listing

NEC OFNR (UL) and c(UL)

## Flame Test Method

UL 1666

## Jacket UV Resistance

UV stabilized

## Water Penetration

24 h

## Water Penetration Test Method

FOTP-82 | IEC 60794-1 F5

## Environmental Test Specifications

### 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

FOTP-37 | IEC 60794-1 E11

### Temperature Cycle

-40 °C to +70 °C (-40 °F to +158 °F)

### Temperature Cycle Test Method

FOTP-3 | IEC 60794-1 F1

## Packaging and Weights

### Cable weight

193 kg/km | 129.69 lb/kft

## Regulatory Compliance/Certifications

### Agency

### Classification

ISO 9001:2015

Designed, manufactured and/or distributed under this quality management system

## Included Products

CS-5Y-RB – 50µm OM3 Bend-Insensitive Multimode Fiber

## \* Footnotes

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