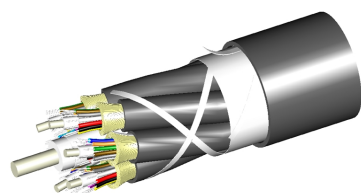


# 760067595 | Z-072-DS-8W-FMUBK/B2



Fiber Indoor/Outdoor cable, TeraSPEED® Low Smoke Zero Halogen Riser Distribution, 72 fiber multi-unit with 12 fiber subunits, Gel-free, Singlemode G.652.D and G.657.A1, Feet jacket marking, Black jacket color, B2ca 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-DS

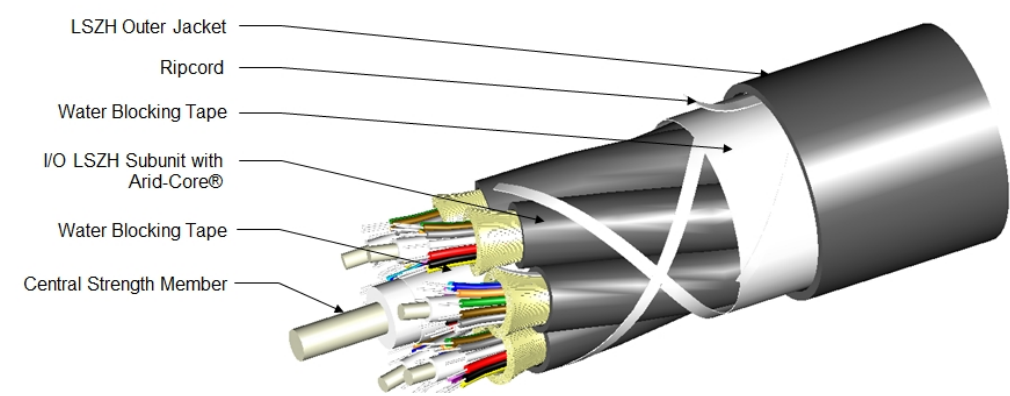
## General Specifications

Cable Type	Distribution
Construction Type	Non-armored
Subunit Type	Gel-free
Jacket Color	Black
Jacket Marking	Feet
Subunit, quantity	6
Fibers per Subunit, quantity	12
Total Fiber Count	72

## Dimensions

Buffer Tube/Subunit Diameter	7.2 mm   0.283 in
Diameter Over Jacket	23.4 mm   0.921 in

## Representative Image



Mechanical Specifications

Minimum Bend Radius, loaded	351 mm   13.819 in
Minimum Bend Radius, unloaded	234 mm   9.213 in
Tensile Load, long term, maximum	1335 N   300.12 lbf
Tensile Load, short term, maximum	4450 N   1,000.4 lbf
Compression	22 N/mm   125.623 lb/in
Compression Test Method	FOTP-41   IEC 60794-1 E3
Flex	100 cycles
Flex Test Method	FOTP-104   IEC 60794-1 E6
Impact	5.88 N-m   52.042 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
Vertical Rise, maximum	285 m   935.039 ft

Optical Specifications

Fiber Type	G.652.D and G.657.A1, TeraSPEED®
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Environmental Specifications

Installation temperature	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)

## Cable Qualification Standards

### EN50575 CPR Cable EuroClass Fire Performance

ANSI/ICEA S-104-696 | EN 187105 | Telcordia GR-20 (water penetration) | Telcordia GR-409

B2ca

### EN50575 CPR Cable EuroClass Smoke Rating

s1b

### EN50575 CPR Cable EuroClass Droplets Rating

d0

### EN50575 CPR Cable EuroClass Acidity Rating

a1

## Environmental Space

Low Smoke Zero Halogen (LSZH) | Riser

## Flame Test Listing

NEC OFNR-ST1 (ETL) and c(ETL)

## Flame Test Method

IEC 60332-3 | 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 Test Method

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

-40 °C to +70 °C (-40 °F to +158 °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

477 kg/km | 320.529 lb/kft

## Regulatory Compliance/Certifications

### Agency

### Classification

CENELEC

EN 50575 compliant, Declaration of Performance (DoP) available

CHINA-ROHS

Below maximum concentration value

ISO 9001:2015

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

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-8W-TB – TeraSPEED® Singlemode Fiber

## \* Footnotes

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