# N-036-DZ-8F-FMU

Fiber indoor cable, Low Smoke Zero Halogen Riser Distribution, interlocking aluminum armored, 36 fiber multi-unit with 12 fiber subunits, Multimode OM1, Feet jacket marking, B2ca flame rating

### Product Classification

**Regional Availability** Asia | Australia/New Zealand | EMEA | Latin America | North

America

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Portfolio CommScope® **Product Type** Fiber indoor cable

**Product Series** N-DZ

General Specifications

**Armor Type** Interlocking aluminum

**Cable Type** Distribution **Construction Type** Armored **Subunit Type** Gel-free **Jacket Marking** Feet 3 Subunit, quantity

Fibers per Subunit, quantity **Total Fiber Count** 36

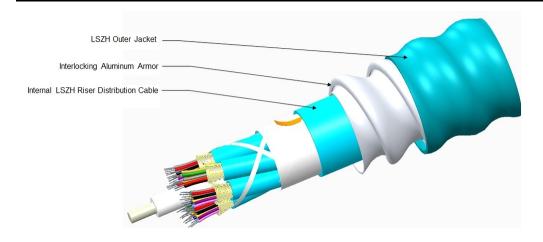
Dimensions

**Buffer Tube/Subunit Diameter** 6.07 mm | 0.239 in **Diameter Over Armor** 20.96 mm | 0.825 in **Diameter Over Jacket** 23 mm | 0.906 in

Representative Image



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## Mechanical Specifications

Minimum Bend Radius, loaded460 mm | 18.11 inMinimum Bend Radius, unloaded322 mm | 12.677 inTensile Load, long term, maximum400 N | 89.924 lbfTensile Load, short term, maximum1335 N | 300.12 lbf

 Compression
 85 N/mm | 485.363 lb/in

 Compression Test Method
 FOTP-41 | IEC 60794-1 E3

Flex 25 cycles

Flex Test Method FOTP-104 | IEC 60794-1 E6

**Impact** 35 N-m | 309.776 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** 99 m | 324.803 ft

## **Environmental Specifications**

Installation temperature  $-10 \,^{\circ}\text{C}$  to  $+60 \,^{\circ}\text{C}$  (+14  $^{\circ}\text{F}$  to +140  $^{\circ}\text{F}$ )

Operating Temperature  $-20 \,^{\circ}\text{C}$  to  $+70 \,^{\circ}\text{C}$  (-4  $^{\circ}\text{F}$  to +158  $^{\circ}\text{F}$ )

Storage Temperature  $-40 \,^{\circ}\text{C}$  to  $+70 \,^{\circ}\text{C}$  (-40  $^{\circ}\text{F}$  to +158  $^{\circ}\text{F}$ )

Cable Qualification Standards ANSI/ICEA S-83-596 | Telcordia GR-409

COMMSCOPE®

## N-036-DZ-8F-FMU

 EN50575 CPR Cable EuroClass Fire Performance
 B2ca

 EN50575 CPR Cable EuroClass Smoke Rating
 s2

 EN50575 CPR Cable EuroClass Droplets Rating
 d2

 EN50575 CPR Cable EuroClass Acidity Rating
 a1

Environmental Space Low Smoke Zero Halogen (LSZH) | Riser

Flame Test Listing NEC OFCR-ST1 (ETL) and c(ETL)

Flame Test Method | IEC 60332-3 | IEC 60754-2 | IEC 61034-2 | UL 1666 | UL 1685

**Environmental Test Specifications** 

**Heat Age**  $-20 \,^{\circ}\text{C}$  to  $+85 \,^{\circ}\text{C}$   $(-4 \,^{\circ}\text{F}$  to  $+185 \,^{\circ}\text{F})$ 

**Heat Age Test Method** IEC 60794-1 F9

**Low High Bend**  $-10 \,^{\circ}\text{C} \text{ to } +60 \,^{\circ}\text{C} \text{ (+14 }^{\circ}\text{F to } +140 \,^{\circ}\text{F)}$ 

**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** 411 kg/km | 276.179 lb/kft

## Regulatory Compliance/Certifications

#### Agency Classification

CENELEC EN 50575 compliant, Declaration of Performance (DoP) available

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system

CENELEC

### Included Products

CS-8F-TB – Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode

Fiber

### \* Footnotes

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

