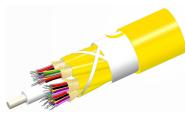
N-072-DS-8W-FMUYL/C 760004309 l



Fiber indoor 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, Yellow jacket color, Cca flame rating

Product Classification

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

America

Gel-free

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

Product Series N-DS

General Specifications

Cable Type Distribution

Construction Type Non-armored

Subunit Type Yellow **Jacket Color**

Jacket Marking Feet

Subunit, quantity 6

Fibers per Subunit, quantity 12

Total Fiber Count 72

Dimensions

Buffer Tube/Subunit Diameter 6.07 mm | 0.239 in

Diameter Over Jacket 20.01 mm | 0.788 in

Mechanical Specifications

Minimum Bend Radius, loaded 300 mm | 11.811 in

200 mm | 7.874 in Minimum Bend Radius, unloaded

Tensile Load, long term, maximum 400 N | 89.924 lbf

Tensile Load, short term, maximum 1335 N | 300.12 lbf

Compression 10 N/mm | 57.101 lb/in

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



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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 113 m | 370.735 ft

Optical Specifications

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

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

EN50575 CPR Cable EuroClass Fire PerformanceCcaEN50575 CPR Cable EuroClass Smoke Ratings1bEN50575 CPR Cable EuroClass Droplets Ratingd1EN50575 CPR Cable EuroClass Acidity Ratinga1

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

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 °C to +60 °C (+14 °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

COMMSC PE®

760004309 | N-072-DS-8W-FMUYL/C

Packaging and Weights

Cable weight 360 kg/km | 241.909 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



Included Products

CS-8W-TB - TeraSPEED® Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

