N-144-MP-8W-F24

Fiber indoor cable, TeraSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 144 fiber multi-unit with 24 fiber subunits, Multimode OM1, Feet jacket marking, Dca flame rating

Product Classification

Regional Availability

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

America

 Portfolio
 CommScope®

 Product Type
 Fiber indoor cable

Product Series N-MP

General Specifications

 Cable Type
 MPO trunk cable

 Construction Type
 Non-armored

Subunit Type Gel-free

Jacket Marking Feet
Subunit, quantity 6

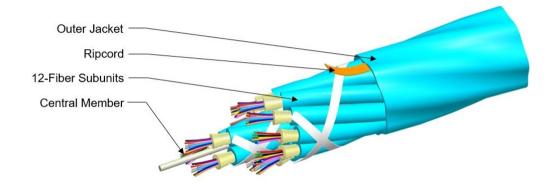
Fibers per Subunit, quantity 24

Total Fiber Count 144

Dimensions

Buffer Tube/Subunit Diameter3.6 mm | 0.142 inDiameter Over Jacket12.3 mm | 0.484 in

Representative Image





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Mechanical Specifications

Minimum Bend Radius, loaded184 mm7.244 inMinimum Bend Radius, unloaded123 mm4.843 inTensile Load, long term, maximum400 N89.924 lbfTensile Load, short term, maximum1335 N300.12 lbf

 Compression
 10 N/mm | 57.101 lb/in

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

Flex 300 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 362 m | 1,187.664 ft

Optical Specifications

Fiber Type G.652.D and G.657.A1, TeraSPEED® | OS2 | OS2

Environmental Specifications

Installation temperature $-20 \, ^{\circ}\text{C to } +60 \, ^{\circ}\text{C } (-4 \, ^{\circ}\text{F to } +140 \, ^{\circ}\text{F})$ 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 PerformanceDcaEN50575 CPR Cable EuroClass Smoke Ratings2EN50575 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

COMMSCOPE®

N-144-MP-8W-F24

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 -20 °C to +70 °C (-4 °F to +158 °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 112.6 kg/km | 75.664 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-8W-MP - TeraSPEED® OS2 Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

