R-096-DS-6F-FMU

Fiber indoor cable, OptiSPEED® Riser Distribution, 96 fiber multi-unit with 12 fiber subunits, Multimode OM1, Feet jacket marking

Product Classification

Regional Availability

Asia | Australia/New Zealand | Latin America | Middle East

/Africa | North America

Portfolio CommScope®

Product Type Fiber indoor cable

Product Series R-DS

General Specifications

 Cable Type
 Distribution

 Construction Type
 Non-armored

Fiber Type, quantity 96
Fibers per Subunit, quantity 12

Jacket Marking Feet
Subunit Type Gel-free

Subunit, quantity 8

Total Fiber Count 96

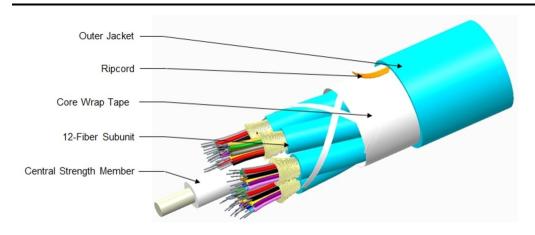
Dimensions

Buffer Tube/Subunit Diameter5.95 mm | 0.234 inDiameter Over Jacket23.58 mm | 0.928 in

Representative Image



R-096-DS-6F-FMU



Mechanical Specifications

Minimum Bend Radius, loaded354 mm13.937 inMinimum Bend Radius, unloaded236 mm9.291 in

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

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 81 m | 265.748 ft

Optical Specifications

Fiber Type OM1, OptiSPEED® | OM1, OptiSPEED®

Environmental Specifications

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

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

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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

Environmental Space Riser

Flame Test Listing NEC OFNR (ETL) and c(ETL)

Flame Test Method UL 1666

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

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 502 kg/km | 337.328 lb/kft

Regulatory Compliance/Certifications

Agency Classification

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



Included Products

CS-6F-TB - OptiSPEED® OM1 Multimode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

