760147611 | P-096-DZ-6F-FMUOR



OptiSPEED® Plenum Distribution Cable, interlocking aluminum armored with plenum jacket, 96 fiber multi-unit with 12 fiber subunits

OBSOLETE

This product was discontinued on: March 30, 2017

Product Classification

Regional Availability

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

Feet

/Africa | North America

Portfolio CommScope®

Product Type Fiber indoor cable

Product Series P-DZ

General Specifications

Armor Type Interlocking aluminum

Cable TypeDistribution

Construction Type Armored

Subunit Type Gel-free

Jacket Color Orange

Subunit, quantity 8

Fibers per Subunit, quantity 12

Total Fiber Count 96

Dimensions

Jacket Marking

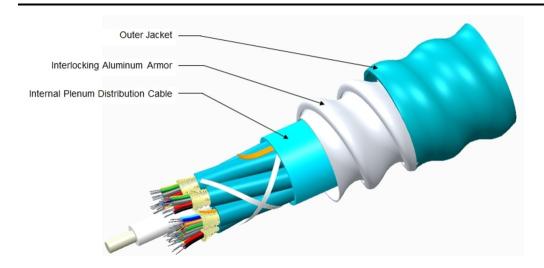
Buffer Tube/Subunit Diameter5.77 mm | 0.227 inDiameter Over Armor29.85 mm | 1.175 in

Diameter Over Jacket 31.9 mm | 1.256 in

Representative Image



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Mechanical Specifications

Minimum Bend Radius, loaded 638 mm | 25.118 in

Minimum Bend Radius, unloaded 446 mm | 17.559 in

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

Tensile Load, short term, maximum 1335 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 48 m | 157.48 ft

Optical Specifications

Fiber Type OM1, OptiSPEED® | OM1, OptiSPEED®

Environmental Specifications

Installation temperature $0 \, ^{\circ}\text{C} \text{ to } +70 \, ^{\circ}\text{C} \text{ (+32 } ^{\circ}\text{F to } +158 \, ^{\circ}\text{F)}$

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

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

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

Environmental Space Plenum

Flame Test Listing

NEC OFCP (ETL) and c(ETL)

Flame Test Method

NFPA 130 | NFPA 262

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

Temperature Cycle Test Method FOTP-3 | IEC 60794-1 F1

Packaging and Weights

Cable weight 847 kg/km | 569.158 lb/kft

Regulatory Compliance/Certifications

Agency Classification

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

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

