



OptiSPEED® Plenum Distribution Cable, interlocking aluminum armored with plenum jacket, 4 fiber single-unit

OBSOLETE
This product was discontinued on: March 30, 2017

Product Classification

Regional Availability	Asia Australia/New Zealand Latin America Middle East/Africa North America
Portfolio	CommScope®
Product Type	Fiber indoor cable
Product Series	P-DZ

General Specifications

Armor Type	Interlocking aluminum
Cable Type	Distribution
Construction Type	Armored
Subunit Type	Gel-free
Jacket Color	Orange
Jacket Marking	Feet
Total Fiber Count	4

Dimensions

Diameter Over Armor	10.8 mm 0.425 in
Diameter Over Jacket	12.8 mm 0.504 in

Representative Image



Mechanical Specifications

Minimum Bend Radius, loaded	257 mm 10.118 in
Minimum Bend Radius, unloaded	180 mm 7.087 in
Tensile Load, long term, maximum	200 N 44.962 lbf
Tensile Load, short term, maximum	667 N 149.948 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	148 m 485.564 ft

Optical Specifications

Fiber Type	OM1, OptiSPEED® OM1, OptiSPEED®
------------	-----------------------------------

Environmental Specifications

Installation temperature	0 °C to +70 °C (+32 °F to +158 °F)
--------------------------	------------------------------------

Operating Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °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 °C to +85 °C (-4 °F to +185 °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	138 kg/km 92.732 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
-----------------------	---