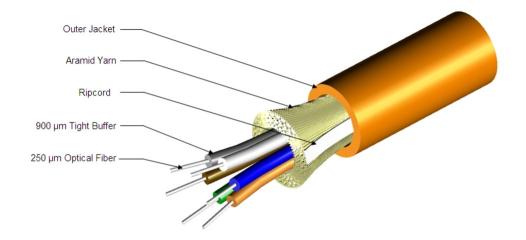
P-002-DS-6F-FSU

Fiber indoor cable, OptiSPEED® Plenum Distribution, 2 fiber single-unit, Singlemode G.652.D and G.657.A1, 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	P-DS		
General Specifications			
Cable Type	Distribution		
Construction Type	Non-armored		
Subunit Type	Gel-free		
Jacket Marking	Feet		
Total Fiber Count	2		
Dimensions			
Diameter Over Jacket	3.76 mm 0.148 in		

Representative Image



Mechanical Specifications

Page 1 of 3

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: May 17, 2024



P-002-DS-6F-FSU

Minimum Bend Radius, loaded	56 mm 2.205 in
Minimum Bend Radius, unloaded	38 mm 1.496 in
Tensile Load, long term, maximum	200 N 44.962 lbf
Tensile Load, short term, maximum	667 N 149.948 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	500 m 1,640.42 ft

Optical Specifications

Fiber Type

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 OFNP (ETL) and c(ETL)
Flame Test Method	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

Page 2 of 3

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: May 17, 2024



P-002-DS-6F-FSU

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		13 kg/km 8.736 lb/kft		
Regulatory Compliance/Certifications				
Agency (Classification			
ISO 9001:2015	Designed, manufac	tured and/or distributed under this quality management system		
Included Products				
CS-6F-TB - OptiSPEED@ Fiber	® OM1 Multimode			

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

Page 3 of 3

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: May 17, 2024

