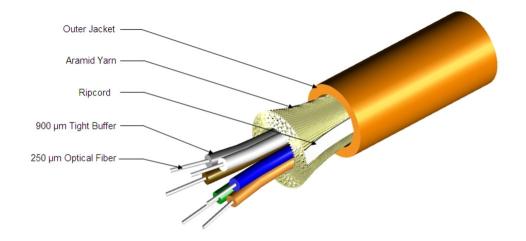
# P-012-DS-8W-FSU

Fiber indoor cable, TeraSPEED® Plenum Distribution, 12-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	12		
Dimensions			
Diameter Over Jacket	5.77 mm   0.227 in		

### Representative Image



### Mechanical Specifications

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## P-012-DS-8W-FSU

Minimum Bend Radius, loaded	86 mm   3.386 in
Minimum Bend Radius, unloaded	58 mm   2.283 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

G.652.D and G.657.A1, TeraSPEED®

### **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

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# P-012-DS-8W-FSU

Temperature Cycle		-20 °C to +70 °C (-4 °F to +158 °F)	
Temperature Cycle Test M	lethod	FOTP-3   IEC 60794-1 F1	
Packaging and W	/eights		
Cable weight		31 kg/km   20.831 lb/kft	
Regulatory Compliance/Certifications			
Agency	Classification		
ISO 9001:2015	Designed, manufac	tured and/or distributed under this quality management s	
Included Products CS-8W-TB - TeraSPEED			
* Footnotes			

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable

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