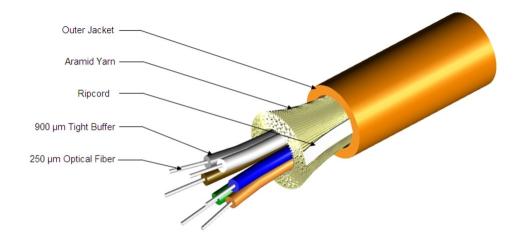
# R-012-DS-6F-FSU

Fiber indoor cable, OptiSPEED® Riser Distribution, 12 fiber single-unit, 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
Subunit Type	Gel-free
Jacket Marking	Feet
Total Fiber Count	12
Dimensions	
Diameter Over Jacket	5.95 mm   0.234 in

### Representative Image



## Mechanical Specifications

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## R-012-DS-6F-FSU

Minimum Bend Radius, loaded	89 mm   3.504 in
Minimum Bend Radius, unloaded	59 mm   2.323 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	2.94 N-m   26.021 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

OM1. OptiSPEED®		OM1, OptiSPEED®
onni, optior LEDO	- L	onn, option LEBO

## **Environmental Specifications**

Installation temperature	-20 °C to +70 °C (-4 °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	Riser
Flame Test Listing	NEC OFNR (ETL) and c(ETL)
Flame Test Method	UL 1666

## 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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## R-012-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	32 kg/km   21.503 lb/kft		
Regulatory Compliance/Certifications			
Agency Classificatio	n		
ISO 9001:2015 Designed, m	anufactured and/or distributed under this quality management system		
Included Products			
CS-6F-TB – OptiSPEED® OM1 Multi Fiber	mode		

#### \* Footnotes

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

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