

# N-001-SP-6F-F25

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Fiber indoor cable, OptiSPEED® 2.5mm Low Smoke Zero Halogen Riser Simplex, 1 fiber, Singlemode G.652.D and G.657.A1, Feet jacket marking

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber indoor cable
<b>Product Series</b>	N-SP

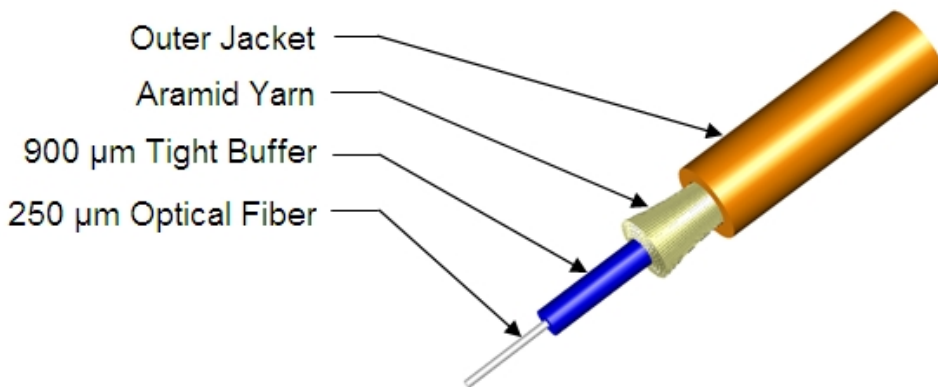
## General Specifications

<b>Cable Type</b>	Cordage
<b>Construction Type</b>	Non-armored
<b>Subunit Type</b>	Gel-free
<b>Jacket Marking</b>	Feet
<b>Total Fiber Count</b>	1

## Dimensions

<b>Diameter Over Jacket</b>	2.5 mm   0.098 in
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## Representative Image



## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	38 mm   1.496 in
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<b>Minimum Bend Radius, unloaded</b>	20 mm   0.787 in
<b>Tensile Load, long term, maximum</b>	80 N   17.985 lbf
<b>Tensile Load, short term, maximum</b>	267 N   60.024 lbf
<b>Compression</b>	10 N/mm   57.101 lb/in
<b>Compression Test Method</b>	FOTP-41   IEC 60794-1 E3
<b>Flex</b>	300 cycles
<b>Flex Test Method</b>	FOTP-104   IEC 60794-1 E6
<b>Impact</b>	0.74 N-m   6.55 in lb
<b>Impact Test Method</b>	FOTP-25   IEC 60794-1 E4
<b>Strain</b>	See long and short term tensile loads
<b>Strain Test Method</b>	FOTP-33   IEC 60794-1 E1
<b>Twist</b>	10 cycles
<b>Twist Test Method</b>	FOTP-85   IEC 60794-1 E7
<b>Vertical Rise, maximum</b>	500 m   1,640.42 ft

## Optical Specifications

<b>Fiber Type</b>	OM1, OptiSPEED®   OM1, OptiSPEED®
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## Environmental Specifications

<b>Installation temperature</b>	-20 °C to +60 °C (-4 °F to +140 °F)
<b>Operating Temperature</b>	-20 °C to +70 °C (-4 °F to +158 °F)
<b>Storage Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Cable Qualification Standards</b>	ANSI/ICEA S-83-596   Telcordia GR-409
<b>Environmental Space</b>	Low Smoke Zero Halogen (LSZH)   Riser
<b>Flame Test Listing</b>	NEC OFNR-ST1 (ETL) and c(ETL)
<b>Flame Test Method</b>	IEC 60332-3   IEC 60754-2   IEC 61034-2   UL 1666   UL 1685

## Environmental Test Specifications

<b>Heat Age</b>	-20 °C to +85 °C (-4 °F to +185 °F)
<b>Heat Age Test Method</b>	IEC 60794-1 F9
<b>Low High Bend</b>	-20 °C to +70 °C (-4 °F to +158 °F)
<b>Low High Bend Test Method</b>	FOTP-37   IEC 60794-1 E11
<b>Temperature Cycle</b>	-20 °C to +70 °C (-4 °F to +158 °F)

# N-001-SP-6F-F25

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**Temperature Cycle Test Method**

FOTP-3 | IEC 60794-1 F1

## Packaging and Weights

**Cable weight**

6.9 kg/km | 4.637 lb/kft

## Regulatory Compliance/Certifications

**Agency**

ISO 9001:2015

**Classification**

Designed, manufactured and/or distributed under this quality management system



## Included Products

CS-6F-TB – OptiSPEED® OM1 Multimode  
Fiber

## \* Footnotes

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