

OptiSPEED® Plenum Distribution Cable, 12 fiber single-unit

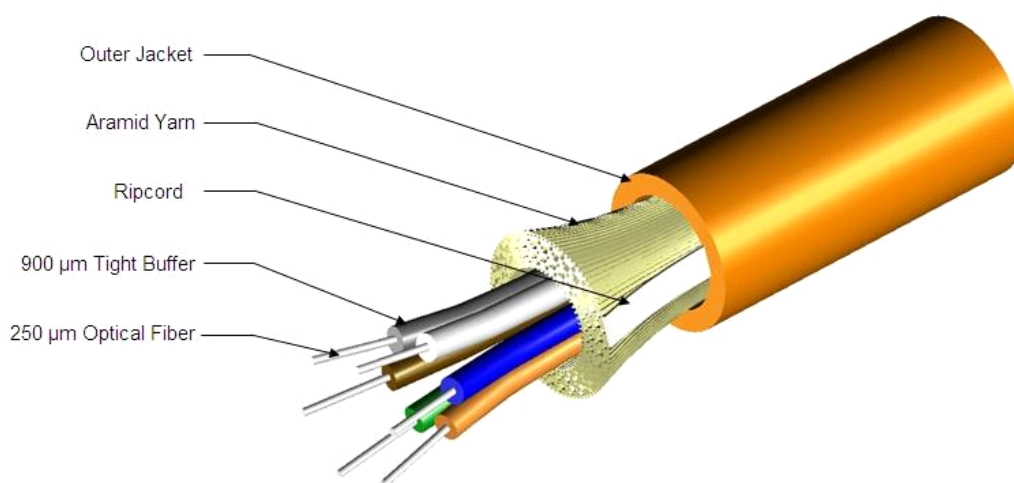
## Product Classification

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

## Standards And Qualifications

<b>Cable Qualification Standards</b>	ANSI/ICEA S-83-596   Telcordia GR-409
--------------------------------------	---------------------------------------

## Representative Image



## General Specifications

<b>Cable Type</b>	Distribution
<b>Construction Type</b>	Non-armored
<b>Subunit Type</b>	Gel-free

## Construction Materials

<b>Fiber Type Solution</b>	OM1, OptiSPEED®
<b>Total Fiber Count</b>	12

<b>Fiber Type</b>	OM1, OptiSPEED®
<b>Fiber Type, quantity</b>	12
<b>Jacket Color</b>	Orange

## Dimensions

<b>Cable Weight</b>	21.0 lb/kft   31.0 kg/km
<b>Diameter Over Jacket</b>	5.77 mm   0.23 in

## Physical Specifications

<b>Minimum Bend Radius, loaded</b>	8.6 cm   3.4 in
<b>Minimum Bend Radius, unloaded</b>	5.8 cm   2.3 in
<b>Tensile Load, long term, maximum</b>	45 lbf   200 N
<b>Tensile Load, short term, maximum</b>	150 lbf   667 N
<b>Vertical Rise, maximum</b>	500.0 m   1640.4 ft

## Flame Test Specifications

<b>Flame Test Listing</b>	NEC OFNP (ETL) and c(ETL)
<b>Flame Test Method</b>	NFPA 262

## Environmental Specifications

<b>Environmental Space</b>	Plenum
<b>Installation Temperature</b>	0 °C to +70 °C (+32 °F to +158 °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)

## Mechanical Test Specifications

<b>Compression</b>	10 N/mm   57 lb/in
<b>Compression Test Method</b>	FOTP-41   IEC 60794-1 E3
<b>Flex</b>	100 cycles
<b>Flex Test Method</b>	FOTP-104   IEC 60794-1 E6
<b>Impact</b>	4.34 ft lb   5.88 N-m
<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

## 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)
<b>Temperature Cycle Test Method</b>	FOTP-3   IEC 60794-1 F1

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
RoHS 2011/65/EU	Compliant
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



## Included Products

CS-6F-TB (Product Component—not orderable) — OptiSPEED® OM1 Multimode Fiber

## \* Footnotes

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