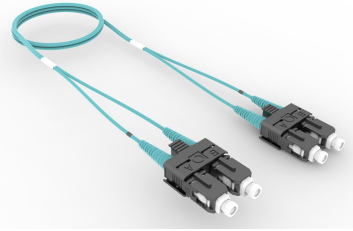


# FEXSCSC42

## Base Product



OM4 SC/UPC to SC/UPC, Fiber Patch Cord, 1.6 mm Duplex, Riser

## Product Classification

### Regional Availability

Asia | Australia/New Zealand | China | Europe | India | Latin America | Middle East/Africa | North America

### Portfolio

CommScope®

### Product Type

Fiber patch cord, duplex

### Product Brand

SYSTIMAX InstaPATCH® 360

### Product Series

FEX

### Ordering Note

For lengths greater than 999 ft (304 m), orders must be in meters | Minimum length may vary based on cable configuration

## General Specifications

### Color, boot A

Aqua

### Color, connector A

Black

### Color, boot B

Aqua

### Color, connector B

Black

### Interface, Connector A

SC/UPC

### Interface, Connector B

SC/UPC

### Jacket Color

Aqua

### Polarity

Pairs, flipped

### Total Fibers, quantity

2

## Dimensions

### Cable Assembly Length Range (m)

1 – 999

### Cable Assembly Length Range (ft)

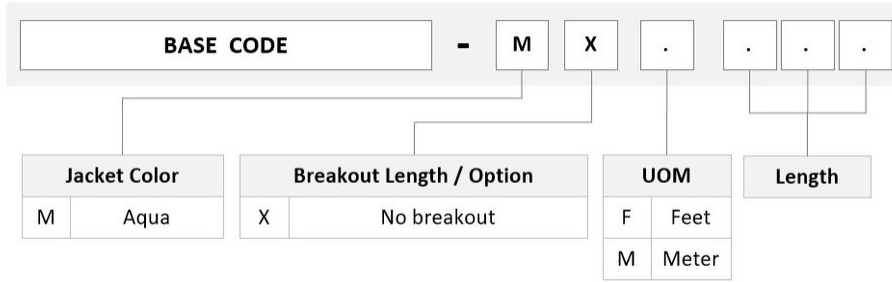
1 – 999

### Diameter Over Jacket

1.6 mm | 0.063 in

## Ordering Tree

# FEXSCSC42



## Mechanical Specifications

**Cable Retention Strength, maximum** 11.24 lb @ 0 ° | 4.40 lb @ 90 °

## Optical Specifications

**Fiber Mode** Multimode

**Fiber Type** OM4, LazrSPEED®

## Environmental Specifications

**Operating Temperature** -10 °C to +60 °C (+14 °F to +140 °F)

**Environmental Space** Riser

## Packaging and Weights

**Packaging quantity** 1

## Regulatory Compliance/Certifications

Agency	Classification
ANATEL	Compliant
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant

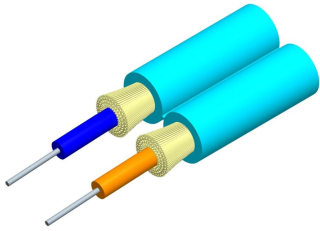


## Included Products

# FEXSCSC42

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- 760010595  
R-002-ZC-5K-F16AQ – Fiber indoor cable, LazrSPEED® 1.6 mm Riser Zipcord, Multimode OM4, Feet jacket marking, Aqua jacket color
- 860652876 – SC/PC Connector, Multimode, Aqua



Fiber indoor cable, LazrSPEED® 1.6 mm Riser Zipcord, Multimode OM4, Feet jacket marking, Aqua jacket color

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   Latin America   Middle East/Africa   North America
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber indoor cable
<b>Product Series</b>	R-ZC

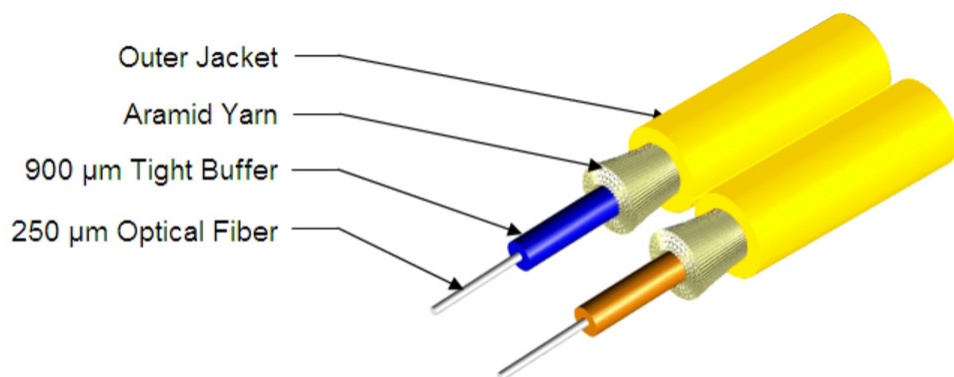
## General Specifications

<b>Cable Type</b>	Cordage
<b>Construction Type</b>	Non-armored
<b>Subunit Type</b>	Gel-free
<b>Jacket Color</b>	Aqua
<b>Jacket Marking</b>	Feet
<b>Total Fiber Count</b>	2

## Dimensions

<b>Height Over Jacket</b>	1.7 mm   0.067 in
<b>Width Over Jacket</b>	3.5 mm   0.138 in

## Representative Image



## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	38 mm   1.496 in
<b>Minimum Bend Radius, unloaded</b>	15 mm   0.591 in
<b>Tensile Load, long term, maximum</b>	53 N   11.915 lbf
<b>Tensile Load, short term, maximum</b>	178 N   40.016 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>	OM4, LazrSPEED® 550   OM4, LazrSPEED® 550
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## Environmental Specifications

<b>Installation temperature</b>	-20 °C to +70 °C (-4 °F to +158 °F)
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# 760010595 | R-002-ZC-5K-F16AQ

<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>	Riser
<b>Flame Test Listing</b>	NEC OFNR (ETL) and c(ETL)
<b>Flame Test Method</b>	UL 1666

## 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

## Packaging and Weights

<b>Cable weight</b>	5.8 kg/km   3.897 lb/kft
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## Regulatory Compliance/Certifications

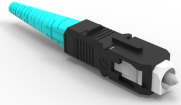
<b>Agency</b>	<b>Classification</b>
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
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ROHS	Compliant
UK-ROHS	Compliant



## \* Footnotes

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

## SC/PC Connector, Multimode, Aqua



### Product Classification

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

### General Specifications

<b>Color, boot</b>	Aqua
<b>Color, housing</b>	Black
<b>Interface</b>	SC/UPC

### Dimensions

<b>Length</b>	48 mm   1.89 in
<b>Compatible Cable Diameter</b>	1.6 mm   0.063 in   2 mm   0.079 in

### Material Specifications

<b>Ferrule Material</b>	Zirconia
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### Mechanical Specifications

<b>Cable Retention Strength, maximum</b>	15.73 lb @ 0 °
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### Optical Specifications

<b>Fiber Mode</b>	Multimode
<b>Insertion Loss Change, mating</b>	0.2 dB
<b>Optical Components Standard</b>	ANSI/TIA-568. 3-D   IEC 61753-1
<b>Insertion Loss Change, temperature</b>	0.2 dB
<b>Insertion Loss, maximum</b>	0.24 dB
<b>Return Loss, minimum</b>	27 dB

## \* Footnotes

**Insertion Loss Change, mating** TIA-568: Maximum insertion loss change after 500 matings

**Insertion Loss Change, temperature** Maximum insertion loss change from -10 °C to +60 °C (+14 °F to +140 °F)