FDXL1LC21
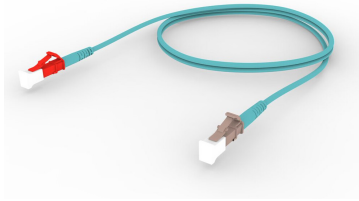
Base Product

OM4 LC/UPC Keyed Red to LC/UPC Fiber Patch Cord, 1.6 mm Simplex, Plenum

Product Classification

Regional Availability	Asia | Australia/New Zealand | Europe | Latin America | Middle East /Africa | North America
Portfolio	CommScope®
Product Type	Fiber patch cord, simplex
Product Brand	SYSTIMAX InstaPATCH® 360
Product Series	FDX
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	Red
Color, boot B	Aqua
Color, connector B	Beige
Interface, Connector A	LC/UPC
Interface Feature, connector A	Keyed
Interface, Connector B	LC/UPC
Jacket Color	Aqua
Polarity	Method B
Total Fibers, quantity	1

Dimensions

Cable Assembly Length Range (m)	1 – 999
Cable Assembly Length Range (ft)	1 – 999
Diameter Over Jacket	1.6 mm | 0.063 in

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FDXL1LC21

Ordering Tree

BASE CODE	-	M	X	.	.	.	.

Jacket Color		Breakout Length / Option		UOM		Length
M	Aqua	X	No breakout	F	Feet	
				M	Meter	

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   Plenum

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

Included Products

760102343 MFC-LCR-16-KRD	–	LazrSPEED®, OptiSPEED® Pre-Radiused Keyed LC Connector for 1.6 mm Fiber, simplex multimode, red
P-001-SP-5K-F16	–	Fiber indoor cable, LazrSPEED® 1.6 mm Plenum Simplex, Multimode OM4, Feet jacket marking

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760102343 | MFC-LCR-16-KRD

LazrSPEED®, OptiSPEED® Pre-Radiused Keyed LC Connector for 1.6 mm Fiber, simplex multimode, red

Product Classification

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

General Specifications

Body Style	Simplex
Color	Red
Ferrule Geometry	Pre-radiused
Interface	LC/UPC
Interface Feature	Keyed

Dimensions

Length	52 mm	2.047 in
Compatible Cable Diameter	1.6 mm	0.063 in

Material Specifications

Ferrule Material	Zirconia

Mechanical Specifications

Cable Retention Strength, maximum	11.24 lb @ 0 °

Optical Specifications

Fiber Mode	Multimode
Insertion Loss Change, mating	0.3 dB
Optical Components Standard	ANSI/TIA-568-C.3

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Insertion Loss Change, temperature	0.3 dB
Insertion Loss, typical	0.2 dB
Return Loss, minimum	50 dB

Packaging and Weights

Packaging quantity	1

Regulatory Compliance/Certifications

Agency	Classification
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 www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

* 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)

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P-001-SP-5K-F16

Fiber indoor cable, LazrSPEED® 1.6 mm Plenum Simplex, Multimode OM4, Feet jacket marking

Product Classification

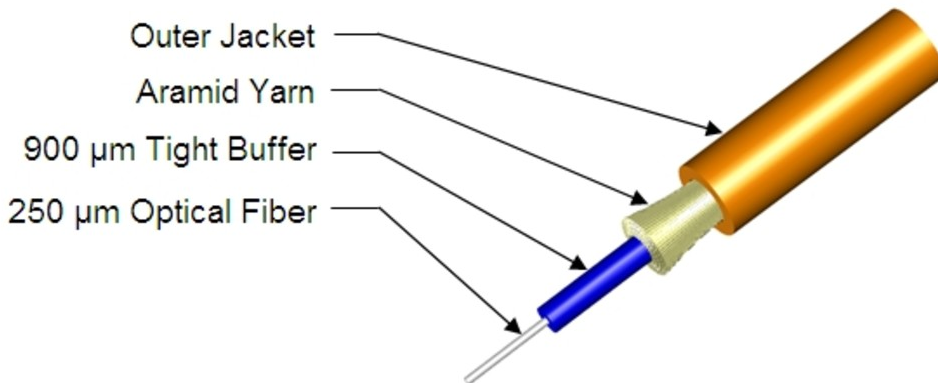|	
Regional Availability	Asia	Australia/New Zealand	Latin America	Middle East/Africa	North America
Portfolio	CommScope®
Product Type	Fiber indoor cable
Product Series	P-SP

General Specifications

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

Dimensions

Diameter Over Jacket	1.7 mm	0.067 in

Representative Image

Mechanical Specifications

Minimum Bend Radius, loaded	38 mm	1.496 in

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P-001-SP-5K-F16

Minimum Bend Radius, unloaded	15 mm | 0.591 in
Tensile Load, long term, maximum	29 N | 6.519 lbf
Tensile Load, short term, maximum	7 N | 1.574 lbf
Compression	10 N/mm | 57.101 lb/in
Compression Test Method	FOTP-41 | IEC 60794-1 E3
Flex	300 cycles
Flex Test Method	FOTP-104 | IEC 60794-1 E6
Impact	0.74 N-m | 6.55 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	OM4, LazrSPEED® 550 | OM4, LazrSPEED® 550

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
Temperature Cycle	-20 °C to +70 °C (-4 °F to +158 °F)

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Temperature Cycle Test Method	FOTP-3	IEC 60794-1 F1

Packaging and Weights

Cable weight	3 kg/km	2.016 lb/kft

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

* Footnotes

Operating Temperature	Specification applicable to non-terminated bulk fiber cable

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