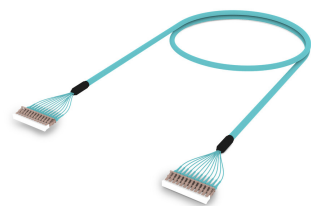# FSXLCLCWD

Base Product

LazrSPEED® 550 LC/UPC to LC/UPC, Distribution Cable, 12-Fiber, Plenum

Product Classification

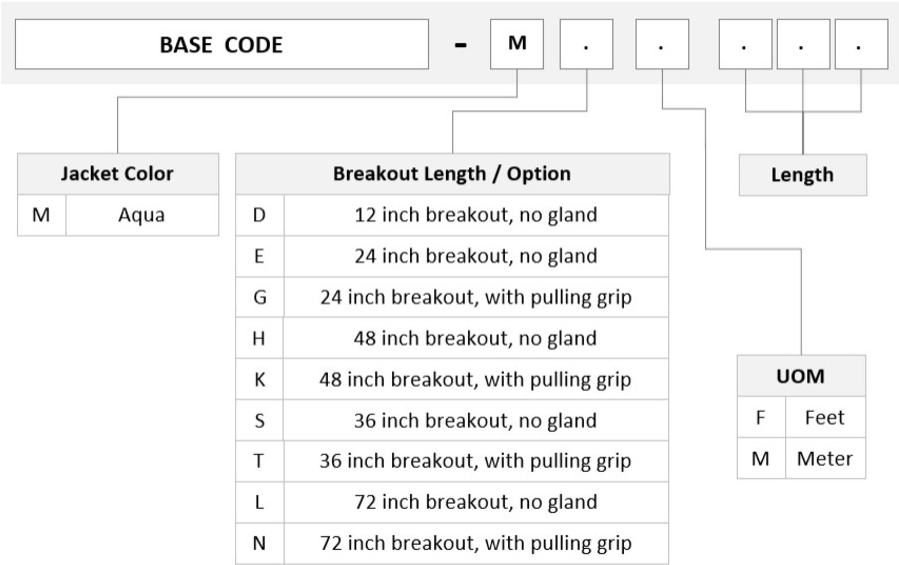|	
Regional Availability	North America
Portfolio	CommScope®
Product Type	Fiber distribution cable assembly
Product Brand	SYSTIMAX InstaPATCH® 360
Ordering Note	For lengths greater than 999 ft (304 m), orders must be in meters

General Specifications

Cable Glands	No glands
Color, connector A	Beige
Construction Type	Distribution, indoor
Interface, Connector A	LC/UPC
Interface, Connector B	LC/UPC
Total Fibers, quantity	12

Dimensions

Cable Assembly Length Range (m)	3 – 305
Cable Assembly Length Range (ft)	7 – 999

Ordering Tree

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FSXLCLCWD

| BASE CODE | - | M | . | . | . | . | . |

Jacket Color

| M | Aqua |

Breakout Length / Option

D	12 inch breakout, no gland
E	24 inch breakout, no gland
G	24 inch breakout, with pulling grip
H	48 inch breakout, no gland
K	48 inch breakout, with pulling grip
S	36 inch breakout, no gland
T	36 inch breakout, with pulling grip
L	72 inch breakout, no gland
N	72 inch breakout, with pulling grip

Length

UOM

| F | Feet |
| M | Meter |

Mechanical Specifications

| **Cable Retention Strength, maximum** | 0.50 lb @ 0 ° | 0.50 lb @ 90 ° |

Optical Specifications

| **Fiber Mode** | Multimode |
| **Fiber Type** | OM4, LazrSPEED® |

Environmental Specifications

| **Operating Temperature** | 0 °C to +70 °C (+32 °F to +158 °F) |
| **Environmental Space** | Plenum |

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

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Included Products

460125271	–	Behind The Wall Pre-Radiused LC Connector for 0.9 mm Fiber, multimode
P-012-DS-5K-FSU	–	Fiber indoor cable, LazrSPEED® Plenum Distribution, 12 fiber single-unit, Multimode OM4, Feet jacket marking

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460125271

Behind The Wall Pre-Radiused LC Connector for 0.9 mm Fiber, multimode

Product Classification

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

General Specifications

Body Style	BTW
Color	Beige
Ferrule Geometry	Pre-radiused
Interface	LC/UPC

Dimensions

Length	32 mm | 1.26 in
Compatible Cable Diameter	0.9 mm | 0.035 in

Material Specifications

Ferrule Material	Zirconia

Mechanical Specifications

Cable Retention Strength, maximum	1.00 lb @ 0 °

Optical Specifications

Fiber Mode	Multimode
Insertion Loss Change, mating	0.3 dB
Optical Components Standard	ANSI/TIA-568-C.3
Insertion Loss Change, temperature	0.3 dB
Insertion Loss, maximum	0.3 dB
Return Loss, minimum	27 dB

Packaging and Weights

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460125271

Packaging quantity   1

Regulatory Compliance/Certifications

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

ISO
9001:2015

* 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-012-DS-5K-FSU

Fiber indoor cable, LazrSPEED® Plenum Distribution, 12 fiber single-unit, 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-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	5.77 mm	0.227 in

Representative Image

Mechanical Specifications

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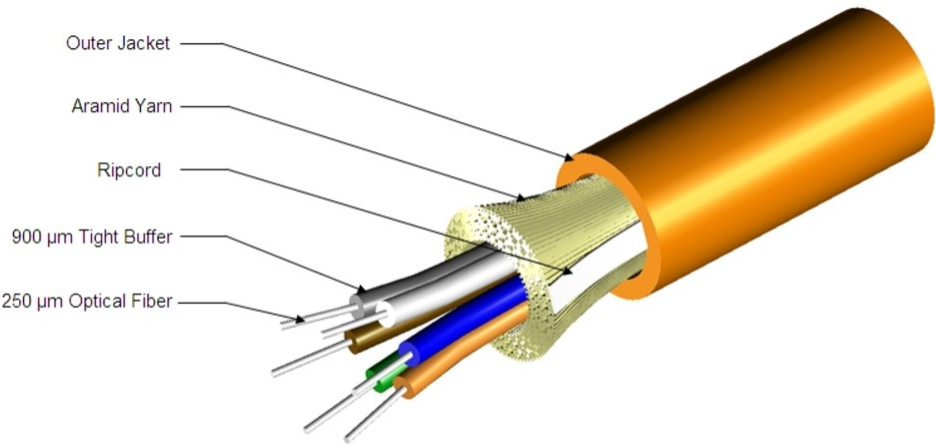
P-012-DS-5K-FSU

Minimum Bend Radius, loaded	86 mm	3.386 in
Minimum Bend Radius, unloaded	58 mm	2.283 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	5.88 N-m	52.042 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

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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	31 kg/km	20.831 lb/kft

Regulatory Compliance/Certifications

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

ISO
9001:2015

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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