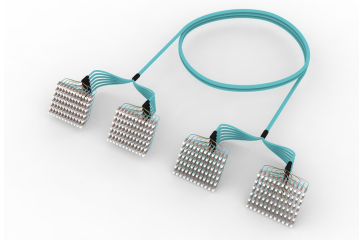


# FSXLCLCWM

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## Base Product



LazrSPEED® 550 LC/UPC to LC/UPC, Distribution Cable, 144-Fiber, Plenum

## Product Classification

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

## General Specifications

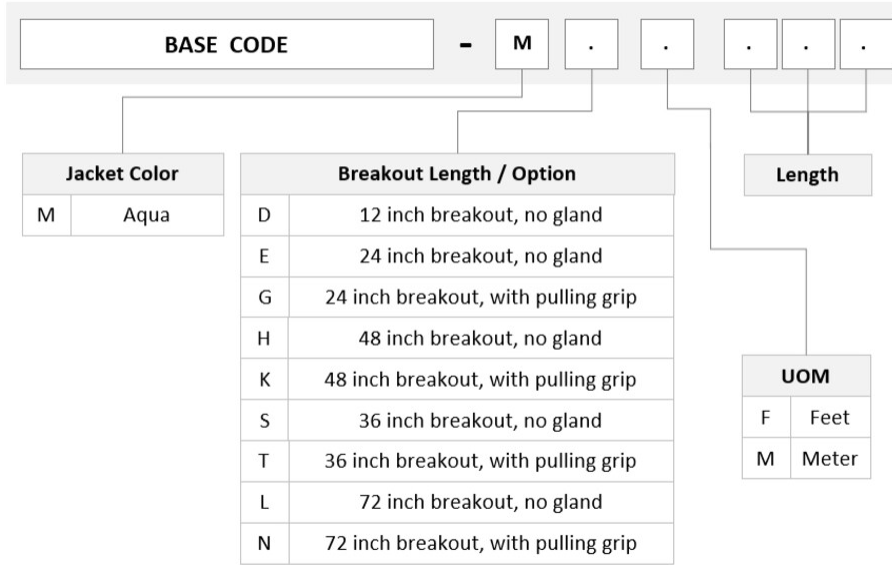
<b>Cable Glands</b>	No glands
<b>Color, connector A</b>	Beige
<b>Color, connector B</b>	Beige
<b>Construction Type</b>	Distribution, indoor
<b>Interface, Connector A</b>	LC/UPC
<b>Interface, Connector B</b>	LC/UPC
<b>Total Fibers, quantity</b>	144

## Dimensions

<b>Cable Assembly Length Range (m)</b>	3 – 999
<b>Cable Assembly Length Range (ft)</b>	10 – 999

## Ordering Tree

# FSXLCLCWM



## 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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



# FSXLCLCWM

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## Included Products

- 460125271 – Behind The Wall Pre-Radiused LC Connector for 0.9 mm Fiber, multimode
- P-144-DS-5K-FMU – Fiber indoor cable, LazrSPEED® Plenum Distribution, 144-Fiber Multi-Unit with 12-Fiber Subunits, Multimode OM4, Gel-free, Feet jacket marking

# 460125271

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

## 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
<b>Product Brand</b>	LazrSPEED®   OptiSPEED®

## General Specifications

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

## Dimensions

<b>Length</b>	32 mm   1.26 in
<b>Compatible Cable Diameter</b>	0.9 mm   0.035 in

## Material Specifications

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

<b>Cable Retention Strength, maximum</b>	1.00 lb @ 0 °
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## Optical Specifications

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

## Packaging and Weights

# 460125271

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**Packaging quantity** 1

## Regulatory Compliance/Certifications

**Agency**

**Classification**

ISO 9001:2015

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



### \* 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)

# P-144-DS-5K-FMU

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Fiber indoor cable, LazrSPEED® Plenum Distribution, 144-Fiber Multi-Unit with 12-Fiber Subunits, Multimode OM4, Gel-free, Feet jacket marking

## 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>	P-DS

## General Specifications

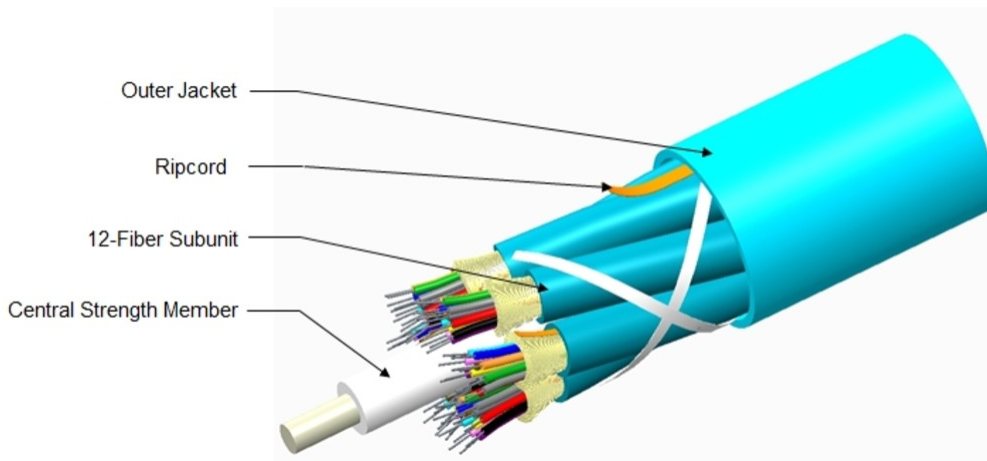
<b>Cable Type</b>	Distribution
<b>Construction Type</b>	Non-armored
<b>Subunit Type</b>	Gel-free
<b>Jacket Marking</b>	Feet
<b>Subunit, quantity</b>	12
<b>Fibers per Subunit, quantity</b>	12
<b>Total Fiber Count</b>	144

## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	5.77 mm   0.227 in
<b>Diameter Over Jacket</b>	24.41 mm   0.961 in

## Representative Image

# P-144-DS-5K-FMU



## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	366 mm   14.409 in
<b>Minimum Bend Radius, unloaded</b>	244 mm   9.606 in
<b>Tensile Load, long term, maximum</b>	400 N   89.924 lbf
<b>Tensile Load, short term, maximum</b>	1335 N   300.12 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>	100 cycles
<b>Flex Test Method</b>	FOTP-104   IEC 60794-1 E6
<b>Impact</b>	5.88 N-m   52.042 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>	77 m   252.625 ft

## Optical Specifications

<b>Fiber Type</b>	OM4, LazrSPEED® 550   OM4, LazrSPEED® 550
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## Environmental Specifications

<b>Installation temperature</b>	0 °C to +70 °C (+32 °F to +158 °F)
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# P-144-DS-5K-FMU

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

## 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>	531 kg/km   356.816 lb/kft
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## Regulatory Compliance/Certifications

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



## \* Footnotes

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