FPXLCLCDD

Base Product

OM4 LC/UPC to LC/UPC 12-Fiber InstaPATCH® 360 Indoor/Outdoor Armored Ruggedized Fanout Cable, LSZH/Riser

Product Classification

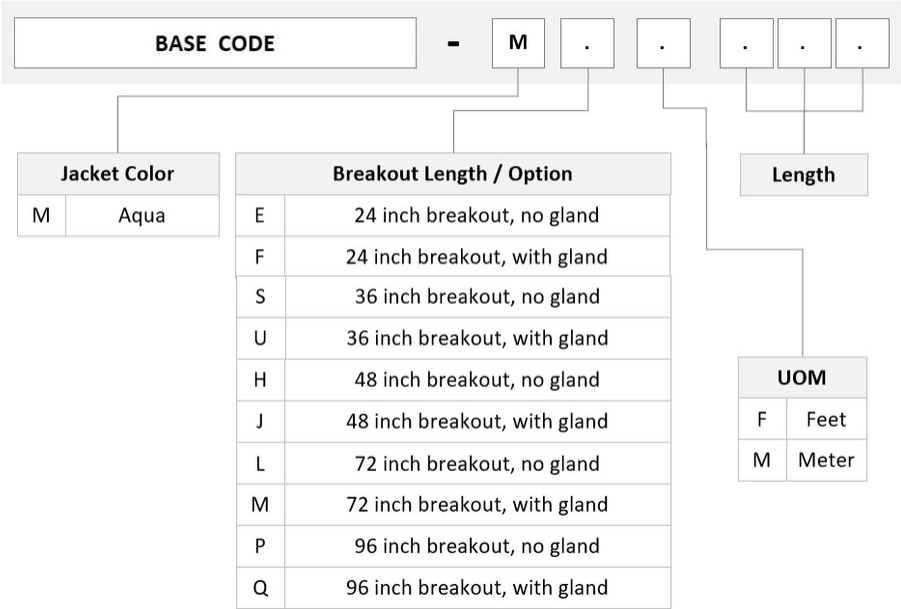|	
Regional Availability	Asia	Australia/New Zealand	China	Europe	India	Latin America	Middle East/Africa	North America
Portfolio	CommScope®
Product Type	Ruggedized fanout
Product Brand	SYSTIMAX InstaPATCH® 360
Ordering Note	For lengths greater than 999 ft (304 m), orders must be in meters	Minimum length may vary based on cable configuration	Not available in the United States or Canada

General Specifications

Color, boot A	Aqua
Color, connector A	Black
Color, boot B	Aqua
Color, connector B	Black
Construction Type	Stranded
Furcation Color	Aqua
Interface, Connector A	LC/UPC
Interface, Connector B	LC/UPC
Jacket Color	Black
Fibers per Subunit, quantity	12
Total Fibers, quantity	12

Dimensions

Cable Assembly Length Range (m)	3 – 305
Cable Assembly Length Range (ft)	8 – 999

Ordering Tree

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FPXLCLCDD

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

Jacket Color

| M | Aqua |

Breakout Length / Option

E	24 inch breakout, no gland
F	24 inch breakout, with gland
S	36 inch breakout, no gland
U	36 inch breakout, with gland
H	48 inch breakout, no gland
J	48 inch breakout, with gland
L	72 inch breakout, no gland
M	72 inch breakout, with gland
P	96 inch breakout, no gland
Q	96 inch breakout, with gland

Length

UOM

| 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   -40 °C to +70 °C (-40 °F to +158 °F)

Environmental Space   Dual Rated LSZH/Riser | Indoor/Outdoor

Included Products

760160077
Z-012-MZ-5K-F12BK   –   Fiber indoor/outdoor cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk, interlocking aluminum armored, Multimode OM4, 12 fiber multi-unit with 12 fiber subunits, Gel-free, Feet jacket marking, Black jacket color

860637378   –   LazrSPEED® Elite LC Connector duplex for 1.6 mm Fiber, multimode
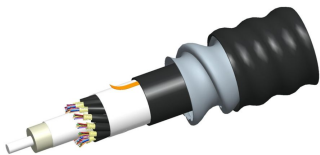
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760160077 | Z-012-MZ-5K-F12BK

Fiber indoor/outdoor cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk, interlocking aluminum armored, Multimode OM4, 12 fiber multi-unit with 12 fiber subunits, Gel-free, Feet jacket marking, Black jacket color

Product Classification

Regional Availability	Asia	Australia/New Zealand	EMEA	Latin America	North America
Portfolio	CommScope®
Product Type	Fiber indoor/outdoor cable
Product Series	Z-MZ

General Specifications

Armor Type	Interlocking aluminum
Cable Type	MPO trunk cable
Construction Type	Armored
Subunit Type	Gel-free
Filler, quantity	3
Jacket Color	Black
Jacket Marking	Feet
Subunit, quantity	1
Fibers per Subunit, quantity	12
Total Fiber Count	12

Dimensions

Buffer Tube/Subunit Diameter	3 mm	0.118 in
Diameter Over Armor	15.88 mm	0.625 in
Diameter Over Jacket	17.9 mm	0.705 in

Representative Image

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LSZH Outer Jacket
Interlocking Aluminum Armor
Internal Inddor/Outdoor LSZH
Riser Loose Tube Cordage Cable
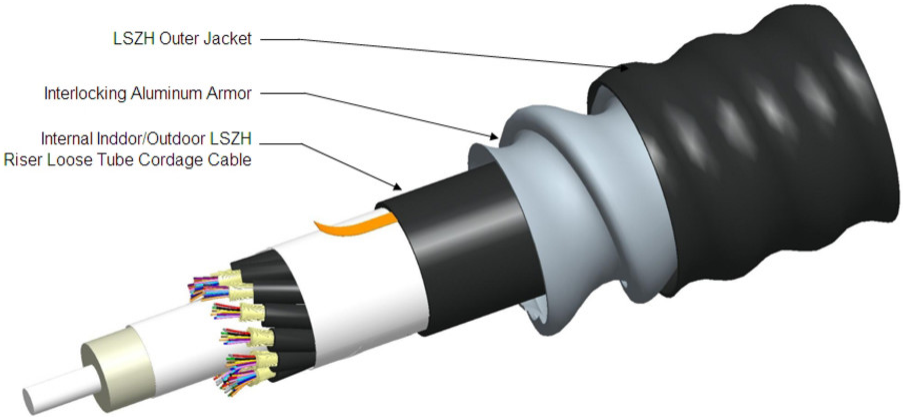
Mechanical Specifications

Minimum Bend Radius, loaded	269 mm | 10.591 in
Minimum Bend Radius, unloaded	179 mm | 7.047 in
Tensile Load, long term, maximum	400 N | 89.924 lbf
Tensile Load, short term, maximum	1335 N | 300.12 lbf
Compression	85 N/mm | 485.363 lb/in
Compression Test Method	FOTP-41 | IEC 60794-1 E3
Flex	300 cycles
Flex Test Method	FOTP-104 | IEC 60794-1 E6
Impact	35 N-m | 309.776 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	167 m | 547.9 ft

Optical Specifications

Fiber Type	OM4, LazrSPEED® 550 | OM4, LazrSPEED® 550

Environmental Specifications

Installation temperature	-30 °C to +60 °C (-22 °F to +140 °F)

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760160077 | Z-012-MZ-5K-F12BK

Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Cable Qualification Standards	ANSI/ICEA S-83-596	Telcordia GR-409
Environmental Space	Low Smoke Zero Halogen (LSZH)	Riser
Flame Test Listing	NEC OFCR-ST1 (ETL) and c(ETL)
Flame Test Method	IEC 60332-3	IEC 60754-2	IEC 61034-2	UL 1666	UL 1685
Jacket UV Resistance	UV stabilized

Environmental Test Specifications

Cable Freeze Test Method	IEC 60794-1 F15
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)
Temperature Cycle Test Method	FOTP-3	IEC 60794-1 F1

Packaging and Weights

Cable weight	245 kg/km	164.632 lb/kft

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

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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LazrSPEED® Elite LC Connector duplex for 1.6 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®

General Specifications

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

Dimensions

Length	50.3 mm | 1.98 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
Optical Components Standard	ANSI/TIA-568-C.3
Insertion Loss, ULL, maximum	0.15 dB
Return Loss, minimum	35 dB

Packaging and Weights

Packaging quantity	2

Regulatory Compliance/Certifications

COMMSCOPE®

860637378

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

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