FJVMPMPAD

OM5 MPO (Female) to MPO (Female), InstaPATCH® 360 Pre-terminated Trunk Cable, 12-Fiber, Low Smoke Zero Halogen

- LazrSPEED® WideBand extends the capability of OM4 across enough spectrum to support at least four low-cost wavelengths

Product Classification

Regional Availability	Asia | Australia/New Zealand | Europe | Latin America | Middle East /Africa | North America
Portfolio	CommScope®
Product Type	Fiber trunk cable assembly
Product Brand	SYSTIMAX InstaPATCH® 360
Ordering Note	For additional jacket colors, please contact a CommScope Sales Representative | 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	Black
Color, boot B	Black
Color, connector A	Lime green
Color, connector B	Lime green
Construction Type	Stranded
Fibers per Subunit, quantity	12
Furcation Color	Lime green
Interface, Connector A	MPO-12/UPC
Interface, Connector B	MPO-12/UPC
Jacket Color	Lime green
Total Fibers, quantity	12

Dimensions

Breakout Length	33 in
Cable Assembly Length, minimum (ft)	10

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Cable Assembly Length, maximum (ft)	999
Cable Assembly Length, minimum (m)	3
Cable Assembly Length, maximum (m)	999

Ordering Tree

BASE CODE	-	N	.	.	.	.	.

Jacket Color	
N	Lime green

Breakout Length / Option	
A	Standard, no gland
B	Standard, with gland
C	Standard, with pulling grip

UOM	
F	Feet
M	Meter
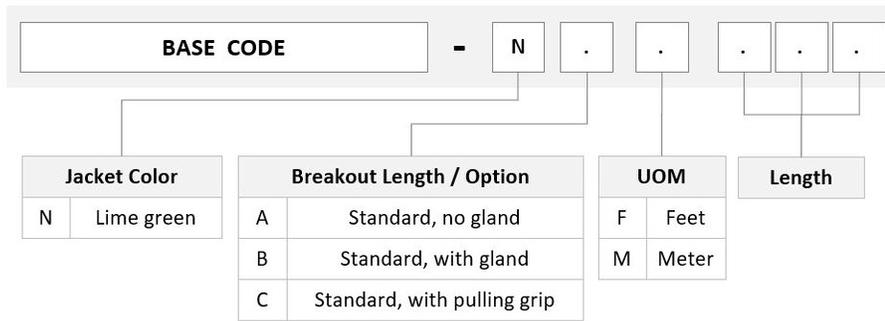
Length

Mechanical Specifications

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

Optical Specifications

Fiber Mode	Multimode
Fiber Type	OM5, LazrSPEED®

Environmental Specifications

Operating Temperature	-10 °C to +60 °C (+14 °F to +140 °F)
Environmental Space	Dual Rated LSZH/Riser

Regulatory Compliance/Certifications

| Agency	Classification
CHINA-ROHS	Above 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/Exempted

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Included Products

760229047   — LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk Cable, 12 fiber
N-012-MP-5G-F12LM/D

860647056   — MPO12, LOW LOSS, FEMALE, OM5, LIME, 3mm
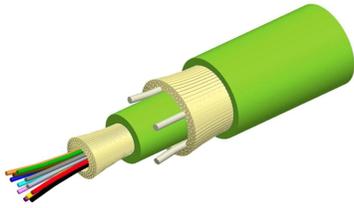
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LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk Cable, 12 fiber

Product Classification

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

General Specifications

Cable Type	MPO trunk cable
Construction Type	Non-armored
Fiber Type, quantity	12
Jacket Color	Lime green
Subunit Type	Gel-free
Total Fiber Count	12

Dimensions

Buffer Tube/Subunit Diameter	3 mm | 0.118 in
Diameter Over Jacket	5.4 mm | 0.213 in

Representative Image

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760229047 | N-012-MP-5G-F12LM/D

Outer Jacket
Ripcord
Aramid Yarn
Subunit with 250µm Fibers
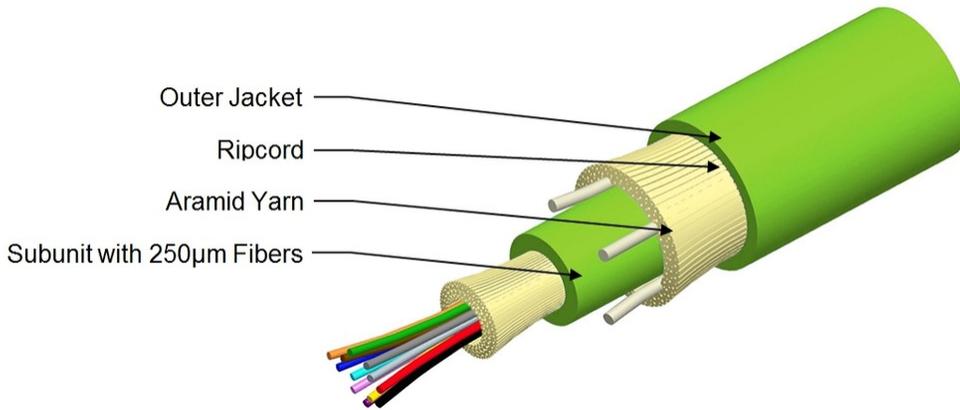
Mechanical Specifications

Minimum Bend Radius, loaded	81 mm | 3.189 in
Minimum Bend Radius, unloaded	54 mm | 2.126 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	300 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	OM5, LazrSPEED® wideband | OM5, LazrSPEED® wideband

Environmental Specifications

Installation temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Operating Temperature	-20 °C to +70 °C (-4 °F to +158 °F)

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Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Cable Qualification Standards	ANSI/ICEA S-83-596	Telcordia GR-409
EN50575 CPR Cable EuroClass Fire Performance	Dca
EN50575 CPR Cable EuroClass Smoke Rating	s1a
EN50575 CPR Cable EuroClass Droplets Rating	d1
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Low Smoke Zero Halogen (LSZH)	Riser
Flame Test Listing	NEC OFNR-LS (ETL) and c(ETL)
Flame Test Method	IEC 60332-3	IEC 60754-2	IEC 61034-2	IEEE 383	UL 1666	UL 1685

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

Packaging and Weights

Cable weight	28 kg/km	18.815 lb/kft

Regulatory Compliance/Certifications

Agency	Classification
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available
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

* Footnotes

Operating Temperature   Specification applicable to non-terminated bulk fiber cable

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860647056

MPO12, LOW LOSS, FEMALE, OM5, LIME, 3mm

Product Classification

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

General Specifications

Body Style	12-fiber
Color	Lime green
Color, boot	Black
Ferrule Geometry	Flat
Interface	MPO Female
Interface Feature	Standard

Dimensions

Length	60.1 mm	2.366 in
Compatible Cable Diameter	3 mm	0.118 in

Material Specifications

Ferrule Material	Polymer

Mechanical Specifications

Cable Retention Strength, maximum	11.24 lb @ 0 °

Optical Specifications

Fiber Mode	Multimode
Fiber Type	OM5
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	0.25 dB
Return Loss, minimum	27 dB

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Packaging and Weights

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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