UKXMXUCCD

Base Product



Ultra Low Loss (ULL) OM4 MPO12 UPC (pinned) to Unconnectorized Fiber Trunk Cable Assembly, 12-Fiber, Armored Indoor Dual Rated (OFNR /LSZH)

Product Classification

Regional Availability	Asia Australia/New Zealand China Europe India Latin America Middle East/Africa North America	
Portfolio	CommScope®	
Product Type	Fiber trunk cable assembly	
Product Brand	Propel SYSTIMAX ULL	
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

Cable Assembly Length Range (ft)

Connector A, quantity	1	
Color, boot A	Black	
Color, connector A	Aqua	
Connector B, quantity	0	
Construction Type	Armored Stranded	
Furcation Color	Aqua	
Interface, Connector A	MPO-12/UPC Male	
Interface, Connector B	Unterminated	
Jacket Color	Aqua	
Polarity	Method B Enhanced (ULL)	
Fibers per Subunit, quantity	12	
Total Fibers, quantity	12	
Dimensions		
Breakout Length	22 in	
Cable Assembly Length Range (m)	3 – 305	

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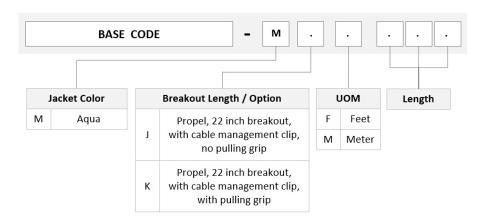
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10 - 999



UKXMXUCCD

Ordering Tree



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)	
EN50575 CPR Cable EuroClass Fire Performance	Dca	
Environmental Space	Dual Rated LSZH/Riser Indoor	

Regulatory Compliance/Certifications

Agency	Classification
ANATEL	Compliant
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
UK-ROHS	Compliant/Exempted

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UKXMXUCCD



Included Products

760249671 N-012-MZ-5K-F12AQ/20T/B2 860659006 Fiber indoor cable, LazrSPEED® Riser/LSZH rated, MPO Trunk, interlocking aluminum armored, Multimode OM4, 12 fiber, Gel-free, Feet jacket marking, Aqua jacket color, B2ca flame rating MPO12, ULL, MALE, OM3/4, AQUA, 2MM

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760249671 | N-012-MZ-5K-F12AQ/20T/B2



Fiber indoor cable, LazrSPEED® Riser/LSZH rated, MPO Trunk, interlocking aluminum armored, Multimode OM4, 12 fiber, Gel-free, Feet jacket marking, Aqua jacket color, B2ca flame rating

Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Portfolio	CommScope®
Product Type	Fiber indoor cable
Product Series	N-MZ
General Specifications	
Armor Type	Interlocking aluminum
Cable Type	MPO trunk cable
Construction Type	Armored
Subunit Type	Gel-free
Jacket Color	Aqua
Jacket Marking	Feet
Subunit, quantity	1
Fibers per Subunit, quantity	12
Total Fiber Count	12
Dimensions	
Buffer Tube/Subunit Diameter	2 mm 0.079 in
Diameter Over Armor	13.3 mm 0.524 in
Diameter Over Jacket	15.4 mm 0.606 in

Representative Image

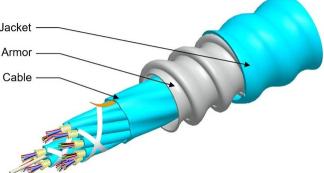
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760249671 | N-012-MZ-5K-F12AQ/20T/B2

LSZH Outer Jacket —— Interlocking Aluminum Armor —— Internal LSZH Loose Tube Cordge Cable ——



Mechanical Specifications

Minimum Bend Radius, loaded	231 mm 9.094 in
Minimum Bend Radius, unloaded	154 mm 6.063 in
Tensile Load, long term, maximum	200 N 44.962 lbf
Tensile Load, short term, maximum	667 N 149.948 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	97 m 318.241 ft
Optical Specifications	

Fiber Type

OM4, LazrSPEED® 550

Environmental Specifications

Installation temperature	0 °C to +60 °C (+32 °F to +140 °F)
Operating Temperature	0 °C to +70 °C (+32 °F to +158 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)

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760249671 | N-012-MZ-5K-F12AQ/20T/B2

Cable Qualification Standards	ANSI/ICEA S-83-596 Telcordia GR-409
EN50575 CPR Cable EuroClass Fire Performance	B2ca
EN50575 CPR Cable EuroClass Smoke Rating	s1a
EN50575 CPR Cable EuroClass Droplets Rating	d1
EN50575 CPR Cable EuroClass Acidity Rating	al
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

Environmental Test Specifications

Heat Age	0 °C to +85 °C (+32 °F to +185 °F)
Heat Age Test Method	IEC 60794-1 F9
Low High Bend	0 °C to +70 °C (+32 °F to +158 °F)
Low High Bend Test Method	FOTP-37 IEC 60794-1 E11
Temperature Cycle	0 °C to +70 °C (+32 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3 IEC 60794-1 F1
Packaging and Weights	
Cable weight	211 kg/km 141.785 lb/kft

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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860659006



Product Classification

MP012, ULL, MALE, OM3/4, AQUA, 2MM

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Portfolio	CommScope®
Product Type	Fiber connector
Product Brand	LazrSPEED®
General Specifications	
Color	Aqua
Color, boot	Black
Ferrule Geometry	Flat
Interface	MPO/UPC Male
Interface Feature	Pinned
Total Fiber Count	12
Dimensions	
Length	60.1 mm 2.366 in
Compatible Cable Diameter	2 mm 0.079 in
Material Specifications	
Ferrule Material	Polymer
Mechanical Specifications	
Cable Retention Strength, maximum	11.24 lb @ 0 °
Optical Specifications	
Fiber Mode	Singlemode
Fiber Type	OM3, LazrSPEED® OM4, LazrSPEED®
Insertion Loss Change, mating	0.2 dB
Optical Components Standard	ANSI/TIA-568-C.3

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860659006

Insertion Loss, maximum	0.2 dB
Return Loss, minimum	27 dB

Packaging and Weights

Packaging quantity

* Footnotes

Insertion Loss Change, mating TIA-568: Maximum insertion loss change after 500 matings

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