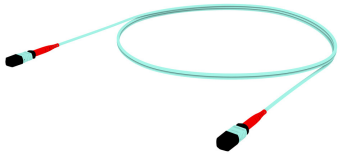
URX2P2XHF

Base Product



Ultra Low Loss (ULL) OM4, MPO24 (Unpinned) to MPO24 (Pinned), 24-Fiber, Low Smoke Zero Halogen (LSZH) Patchcord

Product Classification

Regional Availability	Australia/New Zealand | Europe | Latin America | Middle East/Africa
Portfolio	CommScope®
Product Type	Fiber array cable assembly
Product Brand	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

Color, boot A	Red
Color, connector A	Aqua
Color, boot B	Red
Color, connector B	Aqua
Construction Type	Stranded
Furcation Color	Aqua
Interface, Connector A	MPO-24/UPC Female
Interface, Connector B	MPO-24/UPC Male
Jacket Color	Aqua
Polarity	Method B Enhanced (ULL)
Fibers per Subunit, quantity	24
Total Fibers, quantity	24

Dimensions

Cable Assembly Length Range (m)	1 – 305
Cable Assembly Length Range (ft)	1 – 999

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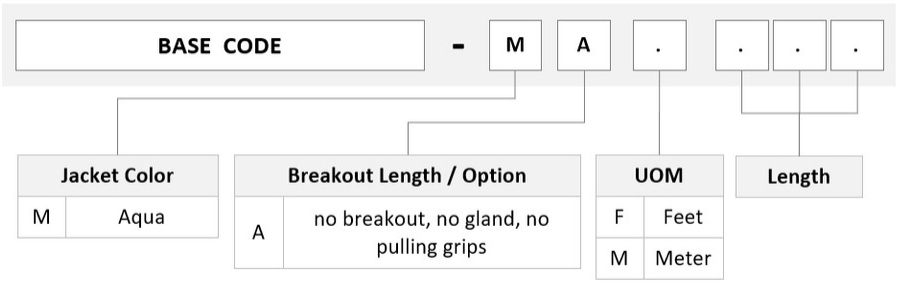
URX2P2XHF

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)
Environmental Space	Indoor | Low Smoke Zero Halogen (LSZH)

Regulatory Compliance/Certifications

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

Included Products

760256685 N-024-MP-5K-F30AQ/D	–	Fiber indoor cable, LazrSPEED® Low Smoke Zero Halogen Riser Light Duty for MPO Patchcords, 24 fiber, Multimode OM4, Gel-free, Feet jacket marking, Aqua jacket color, Dca flame rating
860662277	–	MPO24,FEMALE,OM3/4,AQUA,3.0MM
860662278	–	MPO24,MALE,OM3/4,AQUA,3.0MM

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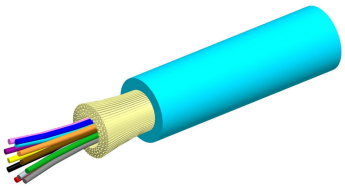
760256685 | N-024-MP-5K-F30AQ/D



Fiber indoor cable, LazrSPEED® Low Smoke Zero Halogen Riser Light Duty for MPO Patchcords, 24 fiber, Multimode OM4, Gel-free, Feet jacket marking, Aqua jacket color, Dca 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-MP

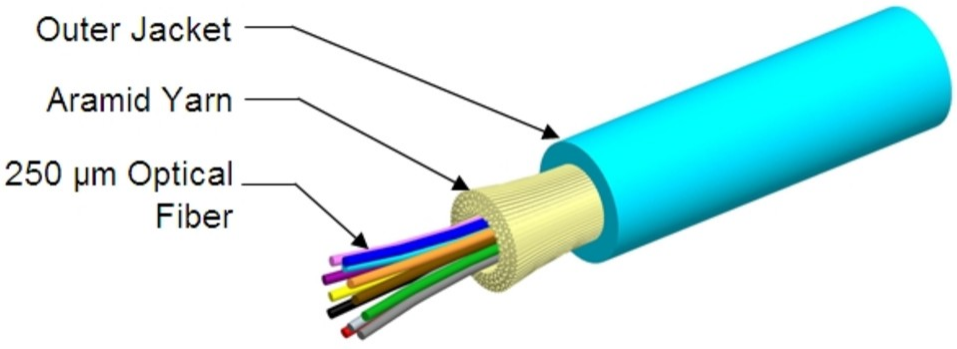
General Specifications

Cable Type	MPO trunk cable
Construction Type	Non-armored
Subunit Type	Gel-free
Jacket Color	Aqua
Jacket Marking	Feet
Total Fiber Count	24

Dimensions

Diameter Over Jacket	3 mm | 0.118 in

Representative Image



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Mechanical Specifications

Minimum Bend Radius, loaded	45 mm | 1.772 in
Minimum Bend Radius, unloaded	24 mm | 0.945 in
Tensile Load, long term, maximum	100 N | 22.481 lbf
Tensile Load, short term, maximum	334 N | 75.086 lbf
Compression	4 N/mm | 22.841 lb/in
Compression Test Method	FOTP-41 | IEC 60794-1 E3
Flex	300 cycles
Flex Test Method	FOTP-104 | IEC 60794-1 E6
Impact	0.74 N-m | 6.55 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 +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)
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-ST1 (ETL) and c(ETL)
Flame Test Method	IEC 60332-3 | IEC 60754-2 | IEC 61034-2 | UL 1666 | UL 1685

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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	8.5 kg/km | 5.712 lb/kft

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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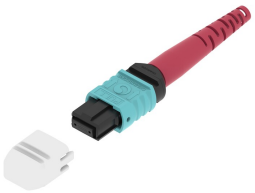

MPO24,FEMALE,OM3/4,AQUA,3.0MM

Product Classification

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	Red
Ferrule Geometry	Flat
Interface	MPO/UPC Female
Interface Feature	Unpinned
Total Fiber Count	24

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	OM3 | OM4
Insertion Loss Change, mating	0.7 dB
Optical Components Standard	ANSI/TIA-568-C.3

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Insertion Loss Change, temperature	0.7 dB
Insertion Loss, maximum	0.7 dB
Return Loss, minimum	28 dB

Packaging and Weights

Packaging quantity	1

* 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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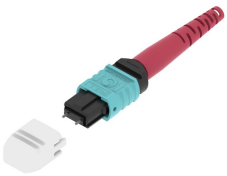

MPO24,MALE,OM3/4,AQUA,3.0MM

Product Classification

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	Red
Ferrule Geometry	Flat
Interface	MPO/UPC Male
Interface Feature	Unpinned
Total Fiber Count	24

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	OM3 | OM4
Insertion Loss Change, mating	0.7 dB
Optical Components Standard	ANSI/TIA-568-C.3

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Insertion Loss Change, temperature	0.7 dB
Insertion Loss, maximum	0.7 dB
Return Loss, minimum	28 dB

Packaging and Weights

Packaging quantity	1

* 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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