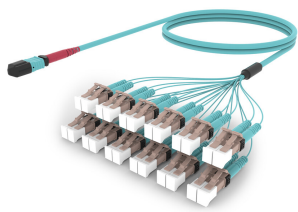


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Base Product



Ultra Low Loss OM4 MPO24 Unpinned to LC/UPC 24-Fiber Low Smoke Zero Halogen Array Cord

Product Classification

Regional Availability	Asia Australia/New Zealand Europe Latin America Middle East /Africa North America
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

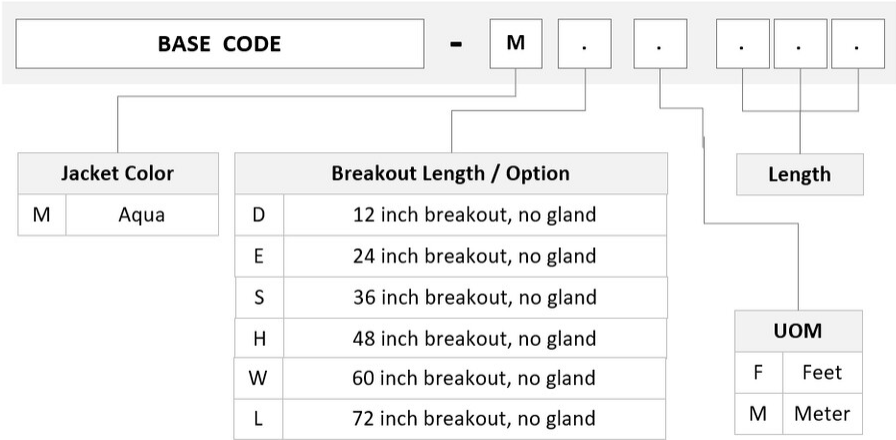
Color, boot A	Red
Color, connector A	Aqua
Color, boot B	Aqua
Color, connector B	Beige
Construction Type	Stranded
Furcation Color	Aqua
Interface, Connector A	MPO-24/UPC Female
Interface, Connector B	LC/UPC
Jacket Color	Aqua
Polarity	Method B Enhanced (ULL)
Fibers per Subunit, quantity	24
Total Fibers,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

Dimensions

Breakout Length	12 in 24 in 36 in 48 in 60 in 72 in
Cable Assembly Length Range (m)	1 – 304
Cable Assembly Length Range (ft)	2 – 999

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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

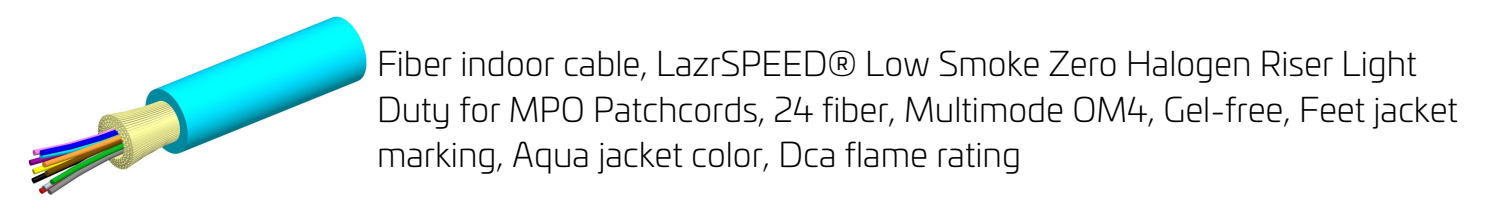
Included Products

- 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
- 860637425 – LC/UPC Connector, Multimode, Beige, Short Boot
- 860662277

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



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                                                                |

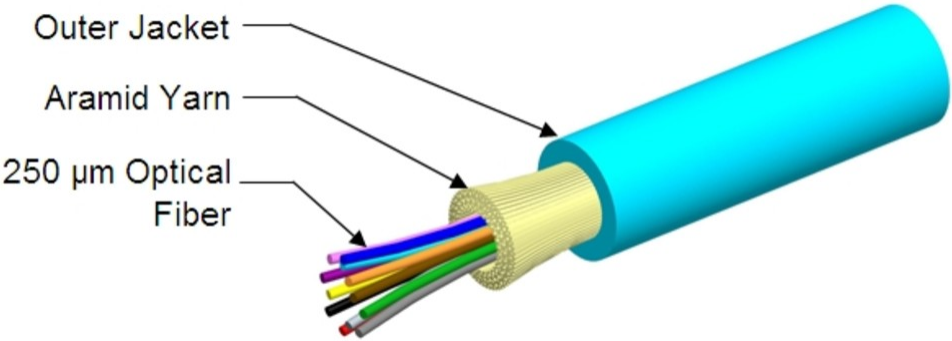
General Specifications

|                   |                 |
|-------------------|-----------------|
| 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



## Mechanical Specifications

|                                          |                                       |
|------------------------------------------|---------------------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 45 mm   1.772 in                      |
| <b>Minimum Bend Radius, unloaded</b>     | 24 mm   0.945 in                      |
| <b>Tensile Load, long term, maximum</b>  | 100 N   22.481 lbf                    |
| <b>Tensile Load, short term, maximum</b> | 334 N   75.086 lbf                    |
| <b>Compression</b>                       | 4 N/mm   22.841 lb/in                 |
| <b>Compression Test Method</b>           | FOTP-41   IEC 60794-1 E3              |
| <b>Flex</b>                              | 300 cycles                            |
| <b>Flex Test Method</b>                  | FOTP-104   IEC 60794-1 E6             |
| <b>Impact</b>                            | 0.74 N-m   6.55 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>            | 500 m   1,640.42 ft                   |

## Optical Specifications

|                   |                                           |
|-------------------|-------------------------------------------|
| <b>Fiber Type</b> | OM4, LazrSPEED® 550   OM4, LazrSPEED® 550 |
|-------------------|-------------------------------------------|

## Environmental Specifications

|                                                     |                                                             |
|-----------------------------------------------------|-------------------------------------------------------------|
| <b>Installation temperature</b>                     | 0 °C to +60 °C (+32 °F to +140 °F)                          |
| <b>Operating Temperature</b>                        | 0 °C to +70 °C (+32 °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>EN50575 CPR Cable EuroClass Fire Performance</b> | Dca                                                         |
| <b>EN50575 CPR Cable EuroClass Smoke Rating</b>     | s1a                                                         |
| <b>EN50575 CPR Cable EuroClass Droplets Rating</b>  | d1                                                          |
| <b>EN50575 CPR Cable EuroClass Acidity Rating</b>   | a1                                                          |
| <b>Environmental Space</b>                          | Low Smoke Zero Halogen (LSZH)   Riser                       |
| <b>Flame Test Listing</b>                           | NEC OFNR-ST1 (ETL) and c(ETL)                               |
| <b>Flame Test Method</b>                            | 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 | 8.5 kg/km   5.712 lb/kft |
|--------------|--------------------------|

\* Footnotes

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

LC/UPC Connector, Multimode, Beige, Short Boot

Product Classification

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

General Specifications

|                |        |
|----------------|--------|
| Color, boot    | Aqua   |
| Color, housing | Beige  |
| Interface      | LC/UPC |

Dimensions

|        |                    |
|--------|--------------------|
| Length | 41.6 mm   1.638 in |
|--------|--------------------|

Material Specifications

|                  |          |
|------------------|----------|
| Ferrule Material | Zirconia |
|------------------|----------|

Mechanical Specifications

|                                   |                |
|-----------------------------------|----------------|
| Cable Retention Strength, maximum | 11.24 lb @ 0 ° |
|-----------------------------------|----------------|

Optical Specifications

|                                    |                                 |
|------------------------------------|---------------------------------|
| Fiber Mode                         | Multimode                       |
| Insertion Loss Change, mating      | 0.2 dB                          |
| Optical Components Standard        | ANSI/TIA-568. 3-D   IEC 61753-1 |
| Insertion Loss Change, temperature | 0.3 dB                          |
| Insertion Loss, maximum            | 0.15 dB                         |
| Return Loss, minimum               | 35 dB                           |

Regulatory Compliance/Certifications

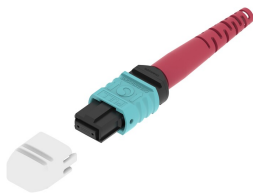
| Agency     | Classification                                                                                                                  |
|------------|---------------------------------------------------------------------------------------------------------------------------------|
| CHINA-ROHS | Above maximum concentration value                                                                                               |
| REACH-SVHC | Compliant as per SVHC revision on <a href="https://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS       | Compliant/Exempted                                                                                                              |



\* Footnotes

|                                           |                                                                         |
|-------------------------------------------|-------------------------------------------------------------------------|
| <b>Insertion Loss Change, mating</b>      | TIA-568: Maximum insertion loss change after 500 matings                |
| <b>Insertion Loss Change, temperature</b> | Maximum insertion loss change from -10 °C to +60 °C (+14 °F to +140 °F) |





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 |

|                                    |        |
|------------------------------------|--------|
| 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) |