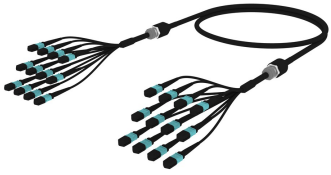


FKXMPMPDM

Base Product



OM4 MPO (Unpinned) to MPO (Unpinned), InstaPATCH® 360 Armored Pre-terminated Trunk Cable, 144-Fiber, Low Smoke Zero Halogen

Product Classification

| | |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regional Availability | Asia Australia/New Zealand China India Latin America Middle East /Africa North America |
| Portfolio | CommScope® |
| Product Type | Fiber trunk cable assembly |
| 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

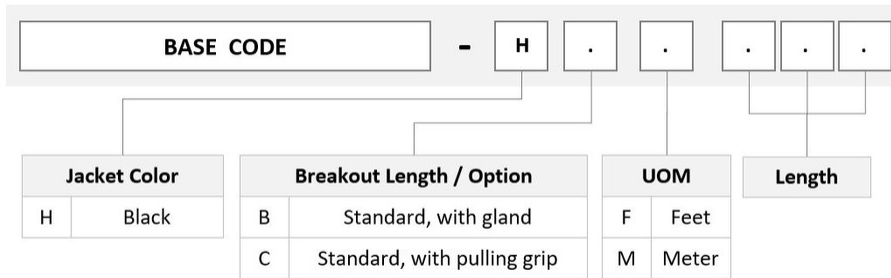
| | |
|-------------------------------------|--------------------|
| Color, boot A | Black |
| Color, connector A | Aqua |
| Color, boot B | Black |
| Color, connector B | Aqua |
| Construction Type | Armored Stranded |
| Furcation Color | Aqua |
| Interface, Connector A | MPO-12/UPC Female |
| Interface, Connector B | MPO-12/UPC Female |
| Jacket Color | Black |
| Polarity | Method B (LL) |
| Fibers per Subunit, quantity | 12 |
| Total Fibers, quantity | 144 |

Dimensions

| | |
|-----------------------------------------|----------|
| Cable Assembly Length Range (m) | 3 – 999 |
| Cable Assembly Length Range (ft) | 10 – 999 |

FKXMPMPDM

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 Dual Rated LSZH/Riser | Indoor/Outdoor

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 |
| UK-ROHS | Compliant/Exempted |



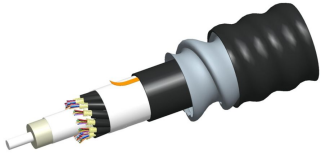
Included Products

- 760150847 Z-144-MZ-5K-F12BK – Fiber indoor/outdoor cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk, interlocking aluminum armored, Multimode OM4, 144 fiber multi-unit with 12 fiber subunits, Gel-free, Feet jacket marking, Black jacket color

FKXMPMPDM

860647054

- MP012, LOW LOSS, FEMALE, OM3/4, AQUA, 3mm



Fiber indoor/outdoor cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk, interlocking aluminum armored, Multimode OM4, 144 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 |

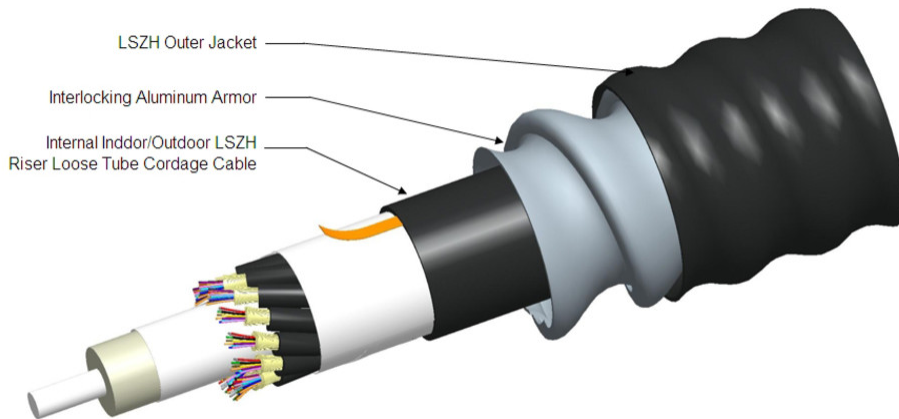
General Specifications

| | |
|-------------------------------------|-----------------------|
| Armor Type | Interlocking aluminum |
| Cable Type | MPO trunk cable |
| Construction Type | Armored |
| Subunit Type | Gel-free |
| Jacket Color | Black |
| Jacket Marking | Feet |
| Subunit, quantity | 12 |
| Fibers per Subunit, quantity | 12 |
| Total Fiber Count | 144 |

Dimensions

| | |
|-------------------------------------|---------------------|
| Buffer Tube/Subunit Diameter | 3 mm 0.118 in |
| Diameter Over Armor | 23.5 mm 0.925 in |
| Diameter Over Jacket | 25.54 mm 1.006 in |

Representative Image



Mechanical Specifications

| | |
|------------------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded | 383 mm 15.079 in |
| Minimum Bend Radius, unloaded | 255 mm 10.039 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 | 82 m 269.029 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) |
|---------------------------------|--------------------------------------|

760150847 | Z-144-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 | 496 kg/km 333.297 lb/kft |
|---------------------|----------------------------|

Regulatory Compliance/Certifications

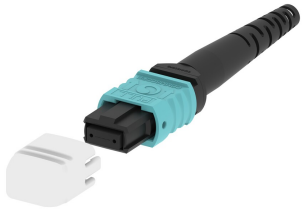
| Agency | Classification |
|---------------|--------------------------------------------------------------------------------------------------------------------------------|
| CENELEC | EN 50575 compliant, Declaration of Performance (DoP) available |
| CHINA-ROHS | Below maximum concentration value |
| 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 |
| UK-ROHS | Compliant |



* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

860647054



MPO12, LOW LOSS, FEMALE, OM3/4, AQUA, 3mm

Product Classification

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

General Specifications

| | |
|--------------------------|----------------|
| Color | Aqua |
| Color, boot | Black |
| Ferrule Geometry | Flat |
| Interface | MPO/UPC Female |
| Interface Feature | Unpinned |
| Total Fiber Count | 12 |

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 | 0.2 dB |
| Optical Components Standard | ANSI/TIA-568-C.3 |

860647054

| | |
|-------------------------------------------|---------|
| Insertion Loss Change, temperature | 0.2 dB |
| Insertion Loss, maximum | 0.27 dB |
| Return Loss, minimum | 27 dB |

Packaging and Weights

| | |
|---------------------------|---|
| Packaging quantity | 1 |
|---------------------------|---|

Regulatory Compliance/Certifications

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

* 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) |