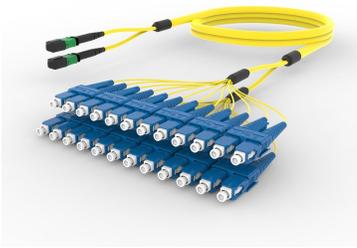


# FNWMPSCAF

## Base Product



Singlemode MPO (Unpinned) to SC/UPC, InstaPATCH® 360 Ruggedized Fanout Cable, 24-Fiber, Low Smoke Zero Halogen

## Product Classification

|                              |   |
|------------------------------|---|
| <b>Regional Availability</b> | Asia   Australia/New Zealand   China   Europe   India   Latin America   Middle East/Africa   North America  |
| <b>Portfolio</b>             | CommScope®  |
| <b>Product Type</b>          | Ruggedized fanout   |
| <b>Product Brand</b>         | SYSTIMAX InstaPATCH® 360  |
| <b>Ordering Note</b>         | 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

|                                     |                   |
|-------------------------------------|-------------------|
| <b>Color, boot A</b>                | Black             |
| <b>Color, connector A</b>           | Green             |
| <b>Color, boot B</b>                | Blue              |
| <b>Color, connector B</b>           | Blue              |
| <b>Construction Type</b>            | Stranded          |
| <b>Furcation Color</b>              | Yellow            |
| <b>Interface, Connector A</b>       | MPO-12/APC Female |
| <b>Interface, Connector B</b>       | SC/UPC            |
| <b>Jacket Color</b>                 | Yellow            |
| <b>Polarity</b>                     | Method B (LL)     |
| <b>Fibers per Subunit, quantity</b> | 12                |
| <b>Total Fibers, quantity</b>       | 24                |

## Dimensions

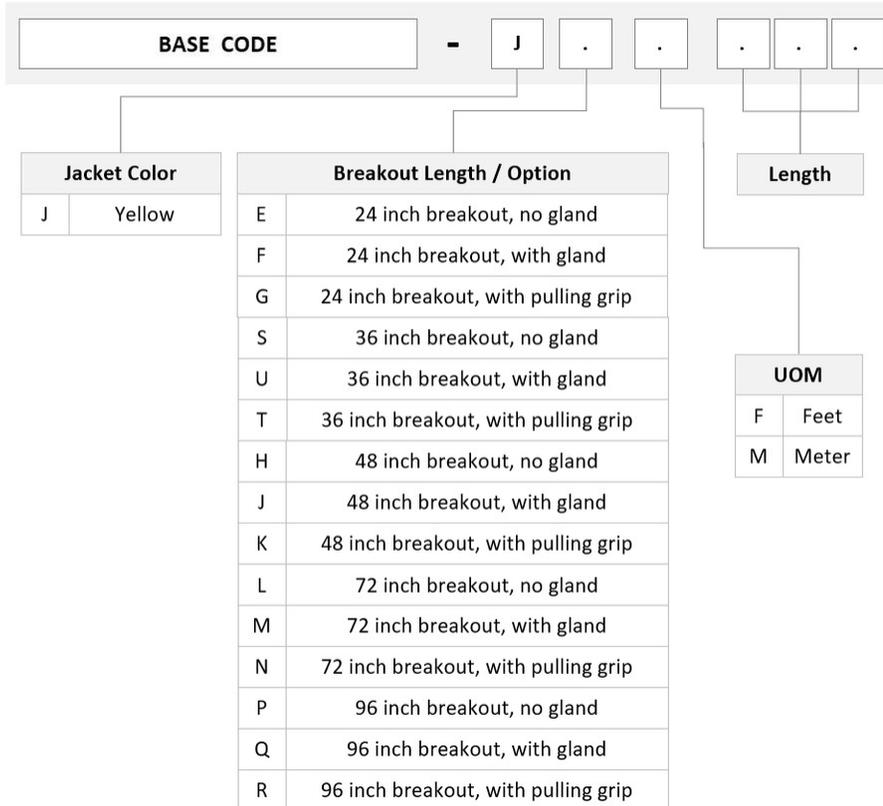
|  |         |
|--|---------|
| <b>Cable Assembly Length Range (m)</b> | 3 – 999 |
|--|---------|

# FNWMPSCAF

Cable Assembly Length Range (ft)

7 – 999

## Ordering Tree



## Mechanical Specifications

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

## Optical Specifications

**Fiber Mode** Singlemode

**Fiber Type** G.652.D | G.657.A1, TeraSPEED®

## Environmental Specifications

**Operating Temperature** -10 °C to +60 °C (+14 °F to +140 °F)

**Environmental Space** Dual Rated LSZH/Riser | Indoor

## Regulatory Compliance/Certifications

# FNWMPSCAF

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| Agency        | Classification   |
|---------------|--|
| ANATEL        | Compliant  |
| 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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant  |
| UK-ROHS       | Compliant  |



## Included Products

|                 |  |
|-----------------|--|
| 460125768       | - TeraSPEED® Pre-Radiused SC Connector for 1.6 mm Fiber Cordage, Duplex, Singlemode  |
| 860366137       | - MPO12, LOW LOSS, FEMALE, Singlemode, GREEN, 3mm  |
| N-024-MP-8W-F12 | - Fiber indoor cable, TeraSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 24 fiber with 12 fiber subunits, Gel-free, Singlemode G.652.D and G.657.A1, Feet jacket marking, Dca flame rating |

# 460125768

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## TeraSPEED® Pre-Radiused SC Connector for 1.6 mm Fiber Cordage, Duplex, Singlemode

### Product Classification

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

### General Specifications

|                         |              |
|-------------------------|--------------|
| <b>Body Style</b>       | Duplex       |
| <b>Color</b>            | Blue         |
| <b>Ferrule Geometry</b> | Pre-radiused |
| <b>Interface</b>        | SC/UPC       |

### Dimensions

|                                  |                   |
|----------------------------------|-------------------|
| <b>Length</b>                    | 56 mm   2.205 in  |
| <b>Compatible Cable Diameter</b> | 1.6 mm   0.063 in |

### Material Specifications

|                         |          |
|-------------------------|----------|
| <b>Ferrule Material</b> | Zirconia |
|-------------------------|----------|

### Mechanical Specifications

|  |                |
|--|----------------|
| <b>Cable Retention Strength, maximum</b> | 11.24 lb @ 0 ° |
|--|----------------|

### Optical Specifications

|   |  |
|---|--|
| <b>Fiber Type</b>                         | G.652.D and G.657.A1, TeraSPEED®   OS2 |
| <b>Insertion Loss Change, mating</b>      | 0.3 dB                                 |
| <b>Optical Components Standard</b>        | ANSI/TIA-568-C.3                       |
| <b>Insertion Loss Change, temperature</b> | 0.3 dB                                 |
| <b>Insertion Loss, typical</b>            | 0.3 dB                                 |
| <b>Return Loss, minimum</b>               | 55 dB                                  |

### Packaging and Weights

**Packaging quantity** 2

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>  |
|---------------|--|
| 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)

# 860366137

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MPO12, LOW LOSS, FEMALE, Singlemode, GREEN, 3mm

## Product Classification

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

## General Specifications

|                          |                |
|--------------------------|----------------|
| <b>Color</b>             | Green          |
| <b>Color, boot</b>       | Black          |
| <b>Ferrule Geometry</b>  | Angled         |
| <b>Interface</b>         | MPO/APC Female |
| <b>Interface Feature</b> | Unpinned       |
| <b>Total Fiber Count</b> | 12             |

## Dimensions

|                                  |                    |
|----------------------------------|--------------------|
| <b>Length</b>                    | 60.1 mm   2.366 in |
| <b>Compatible Cable Diameter</b> | 3 mm   0.118 in    |

## Material Specifications

|                         |         |
|-------------------------|---------|
| <b>Ferrule Material</b> | Polymer |
|-------------------------|---------|

## Mechanical Specifications

|  |                |
|--|----------------|
| <b>Cable Retention Strength, maximum</b> | 11.24 lb @ 0 ° |
|--|----------------|

## Optical Specifications

|                                      |  |
|--------------------------------------|--|
| <b>Fiber Mode</b>                    | Singlemode                             |
| <b>Fiber Type</b>                    | G.652.D and G.657.A1, TeraSPEED®   OS2 |
| <b>Insertion Loss Change, mating</b> | 0.3 dB                                 |
| <b>Optical Components Standard</b>   | ANSI/TIA-568-C.3                       |

# 860366137

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|   |         |
|---|---------|
| <b>Insertion Loss Change, temperature</b> | 0.3 dB  |
| <b>Insertion Loss, maximum</b>            | 0.67 dB |
| <b>Return Loss, minimum</b>               | 55 dB   |

## Packaging and Weights

|                           |   |
|---------------------------|---|
| <b>Packaging quantity</b> | 1 |
|---------------------------|---|

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>  |
|---------------|--|
| 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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant  |
| UK-ROHS       | Compliant  |



## \* 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) |

# N-024-MP-8W-F12

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Fiber indoor cable, TeraSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 24 fiber with 12 fiber subunits, Gel-free, Singlemode G.652.D and G.657.A1, Feet jacket marking, Dca flame rating

## Product Classification

|                              |   |
|------------------------------|---|
| <b>Regional Availability</b> | Asia   Australia/New Zealand   EMEA   Latin America   North America |
| <b>Portfolio</b>             | CommScope®  |
| <b>Product Type</b>          | Fiber indoor cable  |
| <b>Product Series</b>        | N-MP  |

## General Specifications

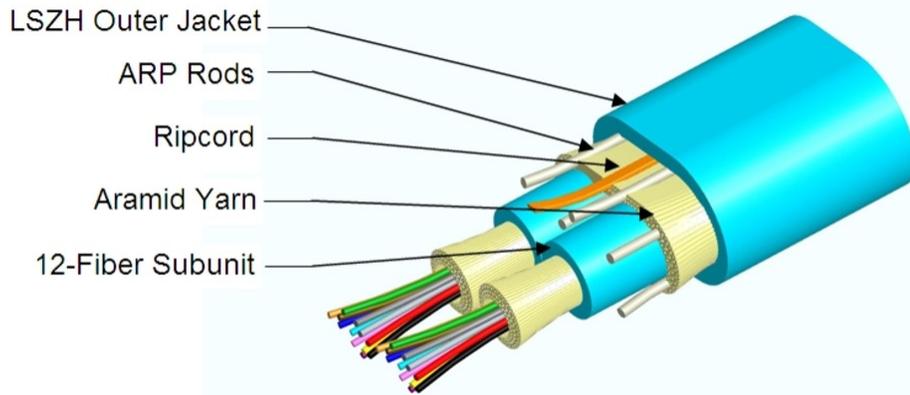
|                                     |                 |
|-------------------------------------|-----------------|
| <b>Cable Type</b>                   | MPO trunk cable |
| <b>Construction Type</b>            | Non-armored     |
| <b>Subunit Type</b>                 | Gel-free        |
| <b>Jacket Marking</b>               | Feet            |
| <b>Subunit, quantity</b>            | 2               |
| <b>Fibers per Subunit, quantity</b> | 12              |
| <b>Total Fiber Count</b>            | 24              |

## Dimensions

|                                     |                   |
|-------------------------------------|-------------------|
| <b>Height Over Jacket</b>           | 5.2 mm   0.205 in |
| <b>Width Over Jacket</b>            | 8.2 mm   0.323 in |
| <b>Buffer Tube/Subunit Diameter</b> | 3 mm   0.118 in   |

## Representative Image

# N-024-MP-8W-F12



## Mechanical Specifications

|  |                                       |
|--|---------------------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 78 mm   3.071 in                      |
| <b>Minimum Bend Radius, unloaded</b>     | 52 mm   2.047 in                      |
| <b>Tensile Load, long term, maximum</b>  | 200 N   44.962 lbf                    |
| <b>Tensile Load, short term, maximum</b> | 667 N   149.948 lbf                   |
| <b>Compression</b>                       | 10 N/mm   57.101 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>                            | 5.88 N-m   52.042 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>            | 491 m   1,610.892 ft                  |

## Optical Specifications

|                   |  |
|-------------------|--|
| <b>Fiber Type</b> | G.652.D and G.657.A1, TeraSPEED®   OS2   OS2 |
|-------------------|--|

## Environmental Specifications

|                                 |                                     |
|---------------------------------|-------------------------------------|
| <b>Installation temperature</b> | -20 °C to +60 °C (-4 °F to +140 °F) |
|---------------------------------|-------------------------------------|

# N-024-MP-8W-F12

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|   |   |
|---|---|
| <b>Operating Temperature</b>                        | -20 °C to +70 °C (-4 °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

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| <b>Heat Age</b>                      | -20 °C to +85 °C (-4 °F to +185 °F) |
| <b>Heat Age Test Method</b>          | IEC 60794-1 F9                      |
| <b>Low High Bend</b>                 | -20 °C to +70 °C (-4 °F to +158 °F) |
| <b>Low High Bend Test Method</b>     | FOTP-37   IEC 60794-1 E11           |
| <b>Temperature Cycle</b>             | -20 °C to +70 °C (-4 °F to +158 °F) |
| <b>Temperature Cycle Test Method</b> | FOTP-3   IEC 60794-1 F1             |

## Packaging and Weights

|                     |                          |
|---------------------|--------------------------|
| <b>Cable weight</b> | 42 kg/km   28.223 lb/kft |
|---------------------|--------------------------|

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>  |
|---------------|--|
| CENELEC       | EN 50575 compliant, Declaration of Performance (DoP) available                 |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |



## \* Footnotes

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