

FRWMPMPGD

Base Product



Singlemode MPO (Unpinned) to MPO (Unpinned), InstaPATCH® 360 Array Cord, 12-Fiber, Low Smoke Zero Halogen

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 InstaPATCH® 360 |
| Ordering Note | Minimum length may vary based on cable configuration Not available in the United States or Canada |

General Specifications

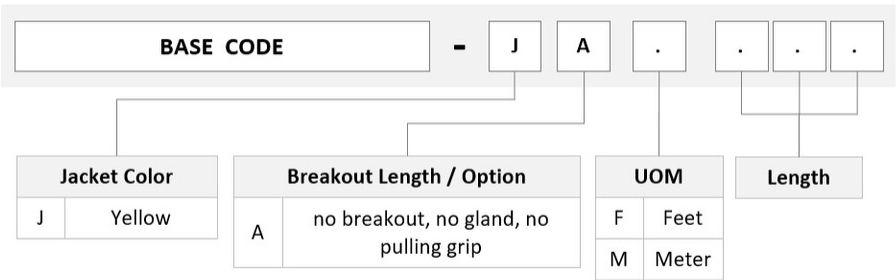
| | |
|------------------------------|-------------------|
| Color, boot A | Black |
| Color, connector A | Green |
| Color, boot B | Black |
| Color, connector B | Green |
| Construction Type | Stranded |
| Furcation Color | Yellow |
| Interface, Connector A | MPO-12/APC Female |
| Interface, Connector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

Dimensions

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

FRWMPMPGD

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 Indoor | Low Smoke Zero Halogen (LSZH)

Regulatory Compliance/Certifications

Agency

ANATEL

CHINA-ROHS

ISO 9001:2015

REACH-SVHC

ROHS

UK-ROHS

Classification

Compliant

Below maximum concentration value

Designed, manufactured and/or distributed under this quality management system

Compliant as per SVHC revision on www.commscope.com/ProductCompliance

Compliant

Compliant

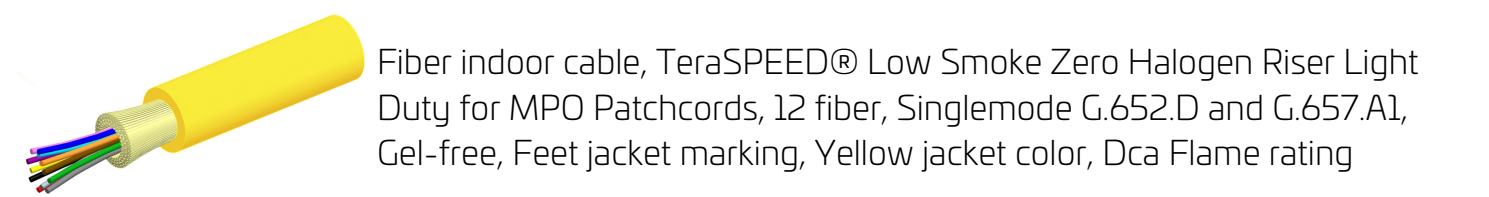


Included Products

760089540 – Fiber indoor cable, TeraSPEED® Low Smoke Zero Halogen Riser Light Duty for MPO
N-012-MP-8W-F30YL/D Patchcords, 12 fiber, Singlemode G.652.D and G.657.A1, Gel-free, Feet jacket marking, Yellow

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| | | |
|-----------|---|---|
| 860366137 | – | jacket color, Dca Flame rating MPO12, LOW LOSS, FEMALE, Singlemode, GREEN, 3mm |
|-----------|---|---|



Product Classification

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

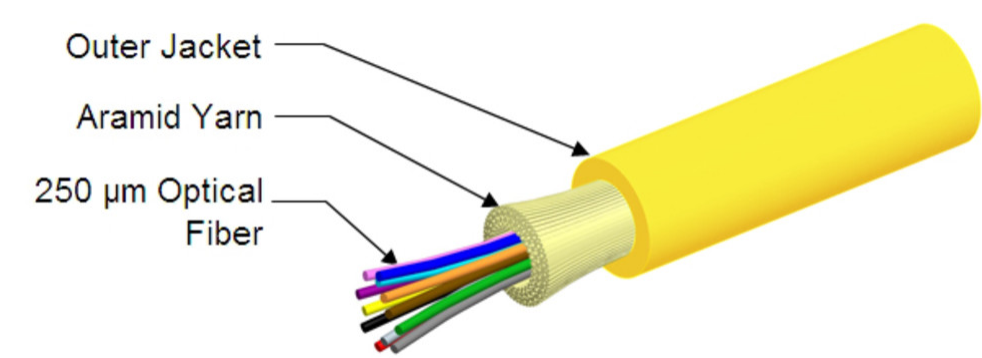
General Specifications

| | |
|-------------------|-----------------|
| Cable Type | MPO trunk cable |
| Construction Type | Non-armored |
| Subunit Type | Gel-free |
| Jacket Color | Yellow |
| Jacket Marking | Feet |
| Total Fiber Count | 12 |

Dimensions

| | |
|----------------------|-----------------|
| Diameter Over Jacket | 3 mm 0.118 in |
|----------------------|-----------------|

Representative Image



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 | G.652.D and G.657.A1, TeraSPEED® OS2 OS2 |
|------------|--|

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 |

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

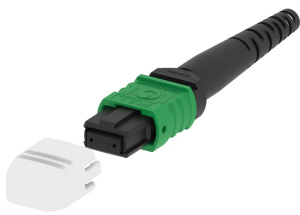
Regulatory Compliance/Certifications

| 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



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

Product Classification

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

General Specifications

| | |
|-------------------|----------------|
| Color | Green |
| Color, boot | Black |
| Ferrule Geometry | Angled |
| Interface | MPO/APC 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 | Singlemode |
| Fiber Type | G.652.D and G.657.A1, TeraSPEED® OS2 |
| Insertion Loss Change, mating | 0.3 dB |
| Optical Components Standard | ANSI/TIA-568-C.3 |

| | |
|------------------------------------|---------|
| Insertion Loss Change, temperature | 0.3 dB |
| Insertion Loss, maximum | 0.67 dB |
| Return Loss, minimum | 55 dB |

Packaging and Weights

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

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
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| UK-ROHS | Compliant |



* 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) |