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TeraSPEED® MPO (female) to LC Simplex, InstaPATCH® 360 TM Array Fanout, 12-Fiber, Plenum, 26 ft + 24 in Breakout

Product Classification

| | |
|------------------------------|---|
| Portfolio | SYSTIMAX® |
| Brand | InstaPATCH® 360 TeraSPEED® |
| Product Type | Fiber fanout cable assembly |
| Regional Availability | Asia Australia/New Zealand EMEA Latin America North America |

Construction Materials

| | |
|-------------------------------------|---|
| Fiber Type | G.652.D and G.657.A1 , TeraSPEED® OS2 |
| Total Fibers, quantity | 12 |
| Jacket Color | Yellow |
| Fibers per Subunit, quantity | 12 |
| Furcation Color | Yellow |

Dimensions

| | |
|-----------------------------|-----------------------|
| Breakout Length | 24 in |
| Cord Length, maximum | 8 m 26 ft |
| Cord Length, minimum | 8 m 26 ft |
| Ordering Note | Fixed length assembly |

Environmental Specifications

| | |
|------------------------------|--------------------------------------|
| Environmental Space | Plenum |
| Operating Temperature | -10 °C to +60 °C (+14 °F to +140 °F) |

General Specifications

| | |
|-------------------------------|----------------------------|
| Construction Type | InstaPATCH® 360 array cord |
| Interface, connector A | MPO-12/APC Female |
| Interface, connector B | LC/UPC |
| Color, connector A | Green |
| Color, connector B | Green |

Mechanical Specifications

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

Regulatory Compliance/Certifications

Agency

RoHS 2011/65/EU
ISO 9001:2015

Classification

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



Included Products

860366137 (Product Component—not orderable) — TeraSPEED® MPO Female 12 Fiber Connector, green

P-012-MP-8W-F30YL (Product Component—not orderable) — TeraSPEED® Plenum MPO Light Duty Patchcord Cable, 12 fiber

- CS-8W-MP (Product Component—not orderable) — TeraSPEED® OS2 Singlemode Fiber

TeraSPEED® MPO Female 12 Fiber Connector, green

Product Classification

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

Construction Materials

| | |
|-------------------------|---|
| Fiber Type | G.652.D and G.657.A1 , TeraSPEED® OS2 |
| Ferrule Geometry | Angled |
| Ferrule Material | Polymer |

Dimensions

| | |
|----------------------------------|--------------------|
| Compatible Cable Diameter | 3.0 mm 0.1 in |
| Length | 60.10 mm 2.37 in |

General Specifications

| | |
|-------------------------|------------|
| Interface | MPO Female |
| Body Style | 12-fiber |
| Color | Green |
| Color, housing | Black |
| Package Quantity | 1 |

Mechanical Specifications

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

Optical Performance

| | |
|--------------------------------|---------|
| Insertion Loss, maximum | 0.67 dB |
| Return Loss, minimum | 55.0 dB |

Optical Specifications

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

Regulatory Compliance/Certifications

| Agency | Classification |
|-----------------|-----------------------|
| RoHS 2011/65/EU | Compliant |



P-012-MP-8W-F30YL

TeraSPEED® Plenum MPO Light Duty Patchcord Cable, 12 fiber

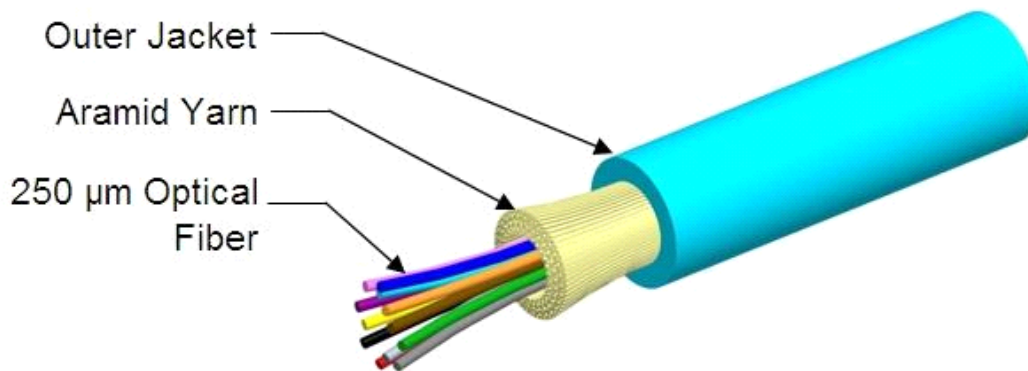
Product Classification

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

Standards And Qualifications

| | |
|--------------------------------------|---------------------------------------|
| Cable Qualification Standards | ANSI/ICEA S-83-596 Telcordia GR-409 |
|--------------------------------------|---------------------------------------|

Representative Image



General Specifications

| | |
|--------------------------|-----------------|
| Cable Type | MPO trunk cable |
| Construction Type | Non-armored |
| Subunit Type | Gel-free |

Construction Materials

| | |
|-----------------------------|---|
| Fiber Type Solution | G.652.D and G.657.A1 , TeraSPEED® OS2 |
| Total Fiber Count | 12 |
| Fiber Type | G.652.D and G.657.A1, TeraSPEED® OS2 |
| Fiber Type, quantity | 12 |
| Jacket Color | Yellow |

Dimensions

P-012-MP-8W-F30YL

| | |
|-----------------------------|------------------------|
| Cable Weight | 6.1 lb/kft 9.0 kg/km |
| Diameter Over Jacket | 3.00 mm 0.12 in |

Physical Specifications

| | |
|--|---------------------|
| Minimum Bend Radius, loaded | 4.5 cm 1.8 in |
| Minimum Bend Radius, unloaded | 2.4 cm 0.9 in |
| Tensile Load, long term, maximum | 23 lbf 100 N |
| Tensile Load, short term, maximum | 75 lbf 334 N |
| Vertical Rise, maximum | 500.0 m 1640.4 ft |

Flame Test Specifications

| | |
|---------------------------|---------------------------|
| Flame Test Listing | NEC OFNP (ETL) and c(ETL) |
| Flame Test Method | NFPA 262 |

Environmental Specifications

| | |
|---------------------------------|--------------------------------------|
| Environmental Space | Plenum |
| Installation Temperature | 0 °C to +70 °C (+32 °F to +158 °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) |

Mechanical Test Specifications

| | |
|--------------------------------|---------------------------------------|
| Compression | 20 lb/in 4 N/mm |
| Compression Test Method | FOTP-41 IEC 60794-1 E3 |
| Flex | 300 cycles |
| Flex Test Method | FOTP-104 IEC 60794-1 E6 |
| Impact | 0.55 ft lb 0.74 N-m |
| 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 |

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) |

P-012-MP-8W-F30YL

Temperature Cycle Test Method FOTP-3 | IEC 60794-1 F1

Regulatory Compliance/Certifications

Agency

RoHS 2011/65/EU

ISO 9001:2015

Classification

Compliant

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



Included Products

CS-8W-MP (Product Component—not orderable) — TeraSPEED® OS2 Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable