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TeraSPEED® MPO (female) to LC Simplex, InstaPATCH® 360 TM Array Fanout, 12-Fiber, Plenum, 24 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	7 m 24 ft
Cord Length, minimum	7 m 24 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 °
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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) — MPO12, STANDARD LOSS, FEMALE, SM, GREEN, 3mm

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

MPO12, STANDARD LOSS, FEMALE, SM, GREEN, 3mm

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
Fiber Mode	Singlemode

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
Interface Feature	Standard
Color	Green
Color, boot	Black
Package Quantity	1

Mechanical Specifications

Cable Retention Strength, maximum	11.24 lb @ 0 °
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Optical Performance

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

Optical Specifications

Optical Components Standard	ANSI/TIA-568-C.3
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Regulatory Compliance/Certifications

Agency

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ISO 9001:2015

Classification

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P-012-MP-8W-F30YL

TeraSPEED® Plenum MPO Light Duty Patchcord Cable, 12 fiber

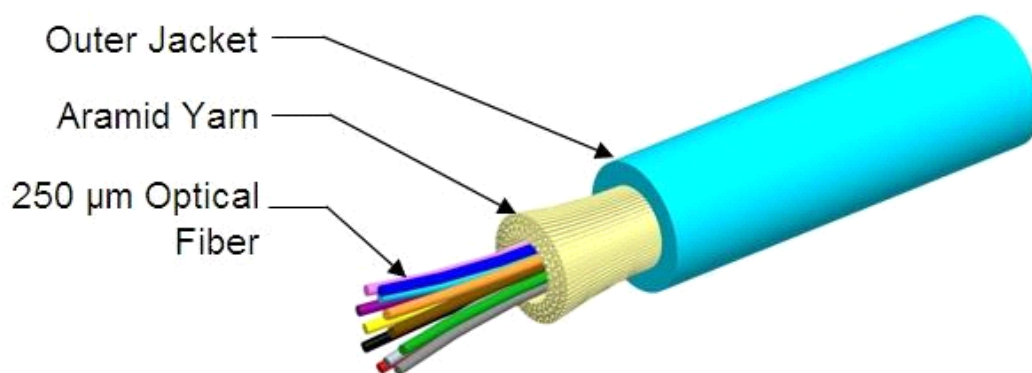
Product Classification

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
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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

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Included Products

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

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable