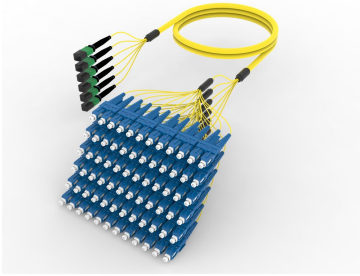# F4WMPSCAK

Base Product

Singlemode MPO (Unpinned) to SC/UPC, InstaPATCH® 360 Ruggedized Fanout Cable, 72-Fiber, Low Smoke Zero Halogen B2ca

Product Classification

Regional Availability	Europe
Portfolio	CommScope®
Product Type	Ruggedized fanout
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	Green
Color, boot B	Blue
Color, connector B	Blue
Construction Type	Stranded
Furcation Color	Yellow
Interface, Connector A	MPO-12/APC Female
Interface, Connector B	SC/UPC
Jacket Color	Yellow
Polarity	Method B (LL)
Fibers per Subunit, quantity	12
Total Fibers, quantity	72

Dimensions

Cable Assembly Length Range (m)	3 – 999

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Cable Assembly Length Range (ft)	7 – 999

Ordering Tree

BASE CODE	-	J	.	.	.	.	.

Jacket Color

J	Yellow

Breakout Length / Option

E	24 inch breakout, no gland
F	24 inch breakout, with gland
G	24 inch breakout, with pulling grip
H	48 inch breakout, no gland
J	48 inch breakout, with gland
K	48 inch breakout, with pulling grip
L	72 inch breakout, no gland
M	72 inch breakout, with gland
N	72 inch breakout, with pulling grip
P	96 inch breakout, no gland
Q	96 inch breakout, with gland
R	96 inch breakout, with pulling grip

Length

UOM

F	Feet
M	Meter

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)
EN50575 CPR Cable EuroClass Fire Performance	B2ca
Environmental Space	Indoor | Low Smoke Zero Halogen (LSZH)

Regulatory Compliance/Certifications

Agency	**Classification**

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F4WMPSCAK

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 www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

Included Products

460125768	–	TeraSPEED® Pre-Radiused SC Connector for 1.6 mm Fiber Cordage, Duplex, Singlemode
760239615 N-072-MP-8W-F12YL/B2	–	Fiber indoor cable, TeraSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 72 fibers, 12 fiber subunits, Singlemode G.652.D and G.657.A1, Gel-free, Feet jacket marking, Yellow jacket color, B2ca Flame rating
860366137	–	MPO12, LOW LOSS, FEMALE, Singlemode, GREEN, 3mm

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460125768

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

Product Classification

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

General Specifications

Body Style	Duplex
Color	Blue
Ferrule Geometry	Pre-radiused
Interface	SC/UPC

Dimensions

Length	56 mm | 2.205 in
Compatible Cable Diameter	1.6 mm | 0.063 in

Material Specifications

Ferrule Material	Zirconia

Mechanical Specifications

Cable Retention Strength, maximum	11.24 lb @ 0 °

Optical Specifications

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, typical	0.3 dB
Return Loss, minimum	55 dB

Packaging and Weights

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460125768

**Packaging quantity**   2

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)

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760239615 | N-072-MP-8W-F12YL/B2
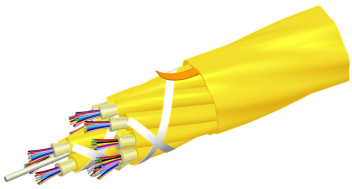
Fiber indoor cable, TeraSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 72 fibers, 12 fiber subunits, Singlemode G.652.D and G.657.A1, Gel-free, Feet jacket marking, Yellow jacket color, B2ca Flame rating

Product Classification

Regional Availability	Asia	EMEA
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
Subunit, quantity	6
Total Fiber Count	72

Dimensions

Buffer Tube/Subunit Diameter	3 mm	0.118 in
Diameter Over Jacket	11.9 mm	0.469 in

Representative Image

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Outer Jacket
Ripcord
12-Fiber Subunits
Aramid Yarn
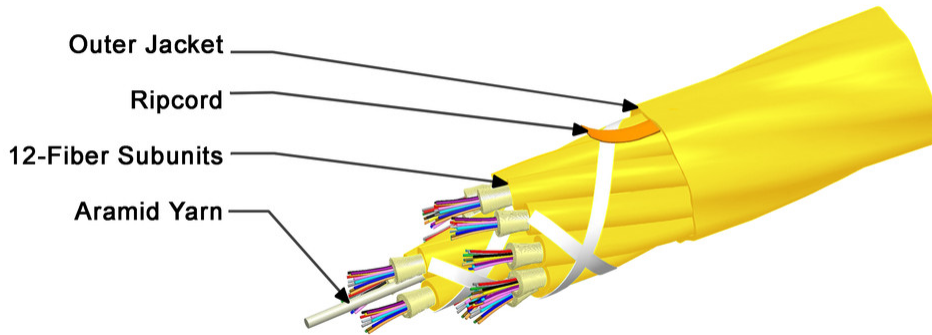
Mechanical Specifications

Minimum Bend Radius, loaded	179 mm | 7.047 in
Minimum Bend Radius, unloaded	119 mm | 4.685 in
Tensile Load, long term, maximum	400 N | 89.924 lbf
Tensile Load, short term, maximum	1335 N | 300.12 lbf
Compression	10 N/mm | 57.101 lb/in
Compression Test Method	FOTP-41 | IEC 60794-1 E3
Flex	25 cycles
Flex Test Method	FOTP-104 | IEC 60794-1 E6
Impact	2.94 N-m | 26.021 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	302 m | 990.814 ft

Optical Specifications

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

Environmental Specifications

Installation temperature	0 °C to +50 °C (+32 °F to +122 °F)

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Operating Temperature	0 °C to +60 °C (+32 °F to +140 °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	B2ca
EN50575 CPR Cable EuroClass Smoke Rating	s1a
EN50575 CPR Cable EuroClass Droplets Rating	d0
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Low Smoke Zero Halogen (LSZH)
Flame Test Method	IEC 60754-2	IEC 61034-2

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	135 kg/km	90.716 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

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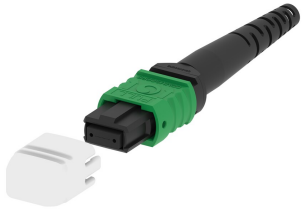
MPO12, LOW LOSS, FEMALE, Singlemode, GREEN, 3mm

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

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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
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

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)

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