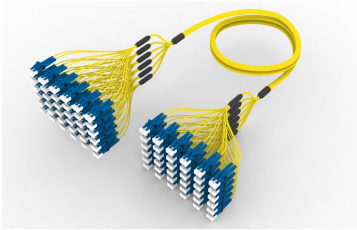


# FNWLCCLCAK

## Base Product



Singlemode LC/UPC to LC/UPC, InstaPATCH® 360 Ruggedized Fiber Fanout Cable Assembly, 72-Fiber, Low Smoke Zero Halogen (LSZH)

## 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>	Blue
<b>Color, connector A</b>	Blue
<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>	LC/UPC
<b>Interface, Connector B</b>	LC/UPC
<b>Jacket Color</b>	Yellow
<b>Polarity</b>	Pairs, flipped
<b>Fibers per Subunit, quantity</b>	12
<b>Total Fibers, quantity</b>	72

## Dimensions

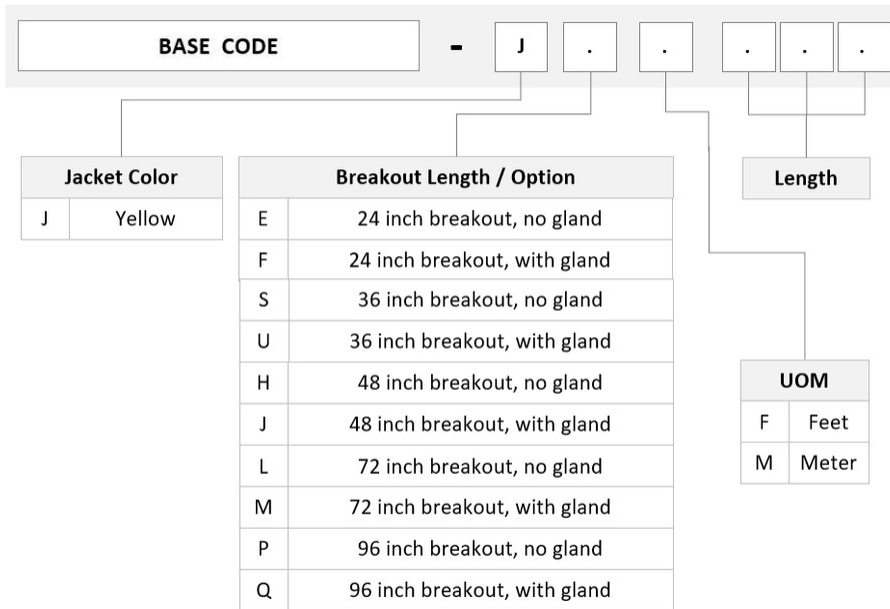
<b>Cable Assembly Length Range (m)</b>	3 – 305
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# FNWLCLCAK

Cable Assembly Length Range (ft)

8 – 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

## Packaging and Weights

**Packaging quantity** 1

## Regulatory Compliance/Certifications

# FNWLCCLCAK

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## Agency

ANATEL

ISO 9001:2015



## Classification

Compliant

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

## Included Products

760050419

N-072-MP-8W-F12YL/D

- Fiber indoor cable, TeraSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 72 fiber multi-unit with 12 fiber subunits, Gel-free, Singlemode G.652.D and G.657.A1, Feet jacket marking, Yellow jacket color, Dca flame rating

860655488

- LC/UPC Connector, Singlemode, Blue



Fiber indoor cable, TeraSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 72 fiber multi-unit with 12 fiber subunits, Gel-free, Singlemode G.652.D and G.657.A1, Feet jacket marking, Yellow jacket color, 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 Color</b>	Yellow
<b>Jacket Marking</b>	Feet
<b>Subunit, quantity</b>	6
<b>Fibers per Subunit, quantity</b>	12
<b>Total Fiber Count</b>	72

## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	3 mm   0.118 in
<b>Diameter Over Jacket</b>	10.75 mm   0.423 in

## Representative Image



## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	161 mm   6.339 in
<b>Minimum Bend Radius, unloaded</b>	107 mm   4.213 in
<b>Tensile Load, long term, maximum</b>	400 N   89.924 lbf
<b>Tensile Load, short term, maximum</b>	1335 N   300.12 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>	401 m   1,315.617 ft

## Optical Specifications

<b>Fiber Type</b>	G.652.D and G.657.A1, TeraSPEED®   OS2   OS2
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## Environmental Specifications

<b>Installation temperature</b>	-20 °C to +60 °C (-4 °F to +140 °F)
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# 760050419 | N-072-MP-8W-F12YL/D

<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>	102 kg/km   68.541 lb/kft
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## Regulatory Compliance/Certifications

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



## \* Footnotes

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

## LC/UPC Connector, Singlemode, Blue



### 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

### General Specifications

<b>Color, boot</b>	Blue
<b>Color, housing</b>	Blue
<b>Interface</b>	LC/UPC

### Dimensions

<b>Length</b>	41.6 mm   1.638 in
<b>Compatible Cable Diameter</b>	1.6 mm   0.063 in   2 mm   0.079 in

### Material Specifications

<b>Ferrule Material</b>	Zirconia
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### Mechanical Specifications

<b>Cable Retention Strength, maximum</b>	11.24 lb @ 0 °
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### Optical Specifications

<b>Fiber Mode</b>	Singlemode
<b>Insertion Loss Change, mating</b>	0.2 dB
<b>Optical Components Standard</b>	ANSI/TIA-568. 3-D   IEC 61753-1
<b>Insertion Loss Change, temperature</b>	0.2 dB
<b>Insertion Loss, maximum</b>	0.34 dB
<b>Return Loss, minimum</b>	50 dB

## Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
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

**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)