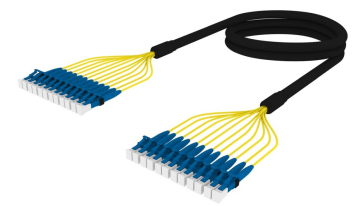


FNW/LCLCDD

Base Product



SingleMode LC/UPC to LC/UPC, InstaPATCH® 360 Indoor/Outdoor Ruggedized Fiber Fanout Cable Assembly, 12-Fiber, LSZH/Riser

Product Classification

Regional Availability	Asia Australia/New Zealand China Europe India Latin America Middle East/Africa North America
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

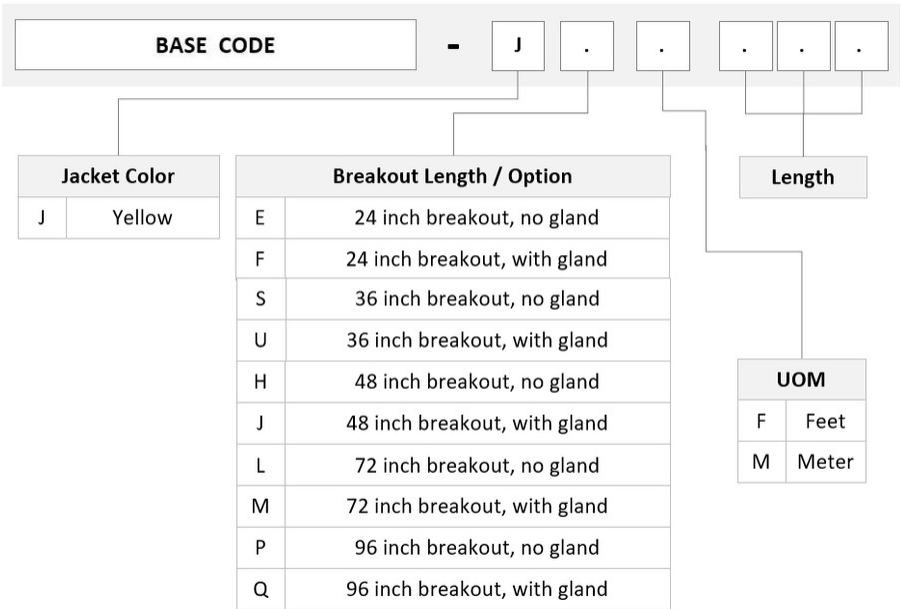
Color, boot A	Blue
Color, connector A	Blue
Color, boot B	Blue
Color, connector B	Blue
Construction Type	Stranded
Furcation Color	Yellow
Interface, Connector A	LC/UPC
Interface, Connector B	LC/UPC
Jacket Color	Black
Polarity	Pairs, flipped
Fibers per Subunit, quantity	12
Total Fibers, quantity	12

Dimensions

Cable Assembly Length Range (m)	3 – 305
Cable Assembly Length Range (ft)	8 – 999

Ordering Tree

FNWLCCLCDD



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 -40 °C to +70 °C (-40 °F to +158 °F)

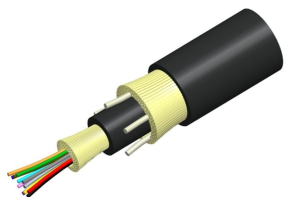
Environmental Space Dual Rated LSZH/Riser | Indoor/Outdoor

Packaging and Weights

Packaging quantity 1

Included Products

- 760238825 Z-012-MP-8G-F12BK/D – Fiber Indoor/Outdoor Cable, Low Smoke Zero Halogen Riser MPO Trunk, 12 fiber, Singlemode G.657.A2, Gel-free, Feet jacket marking, Black jacket color, Dca flame rating
- 860655488 – LC/UPC Connector, Singlemode, Blue



Fiber Indoor/Outdoor Cable, Low Smoke Zero Halogen Riser MPO Trunk, 12 fiber, Singlemode G.657.A2, Gel-free, Feet jacket marking, Black jacket color, Dca flame rating

Product Classification

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

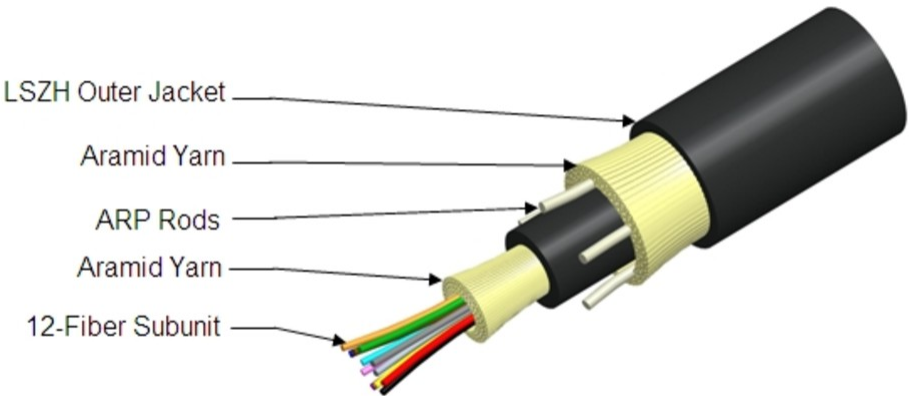
General Specifications

Cable Type	MPO trunk cable
Construction Type	Non-armored
Subunit Type	Gel-free
Jacket Color	Black
Jacket Marking	Feet
Subunit, quantity	1
Fibers per Subunit, quantity	12
Total Fiber Count	12

Dimensions

Buffer Tube/Subunit Diameter	3 mm 0.118 in
Diameter Over Jacket	5.4 mm 0.213 in

Representative Image



Mechanical Specifications

Minimum Bend Radius, loaded	81 mm 3.189 in
Minimum Bend Radius, unloaded	54 mm 2.126 in
Tensile Load, long term, maximum	200 N 44.962 lbf
Tensile Load, short term, maximum	667 N 149.948 lbf
Compression	10 N/mm 57.101 lb/in
Compression Test Method	FOTP-41 IEC 60794-1 E3
Flex	300 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	500 m 1,640.42 ft

Optical Specifications

Fiber Type	G.657.A2 G.657.A2/B2
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Environmental Specifications

760238825 | Z-012-MP-8G-F12BK/D

Installation temperature	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Cable Qualification Standards	ANSI/ICEA S-104-696 Telcordia GR-20 (water penetration) Telcordia GR-409
EN50575 CPR Cable EuroClass Fire Performance	Dca
EN50575 CPR Cable EuroClass Smoke Rating	s1b
EN50575 CPR Cable EuroClass Droplets Rating	d2
EN50575 CPR Cable EuroClass Acidity Rating	a2
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
Jacket UV Resistance	UV stabilized
Water Penetration	24 h
Water Penetration Test Method	FOTP-82 IEC 60794-1 F5

Environmental Test Specifications

Cable Freeze Test Method	IEC 60794-1 F15
Heat Age	-40 °C to +85 °C (-40 °F to +185 °F)
Heat Age Test Method	IEC 60794-1 F9
Low High Bend	-30 °C to +60 °C (-22 °F to +140 °F)
Low High Bend Test Method	FOTP-37 IEC 60794-1 E11
Temperature Cycle	-40 °C to +70 °C (-40 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3 IEC 60794-1 F1

Packaging and Weights

Cable weight	29 kg/km 19.487 lb/kft
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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
UK-ROHS

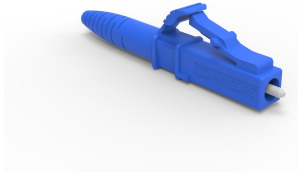
Compliant
Compliant



* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

LC/UPC Connector, Singlemode, Blue



Product Classification

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

General Specifications

Color, boot	Blue
Color, housing	Blue
Interface	LC/UPC

Dimensions

Length	41.6 mm 1.638 in
Compatible Cable Diameter	1.6 mm 0.063 in 2 mm 0.079 in

Material Specifications

Ferrule Material	Zirconia
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Mechanical Specifications

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

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

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
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)