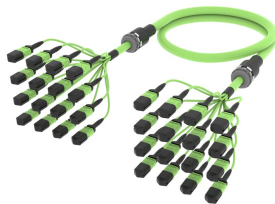


Base Product



Ultra Low Loss (ULL) OM5 MPO12 UPC (pinned) to MPO12 UPC (pinned)  
Fiber Trunk Cable Assembly, 192-Fiber, Armored Indoor Dual Rated  
(OFNR/LSZH)

## Product Classification

Regional Availability	Asia   Australia/New Zealand   China   Europe   India   Latin America   Middle East/Africa   North America
Portfolio	CommScope®
Product Type	Fiber trunk cable assembly
Product Brand	Profel   SYSTIMAX ULL
Ordering Note	For additional jacket colors, please contact a CommScope Sales Representative   For lengths greater than 999 ft (304 m), orders must be in meters   Minimum length may vary based on cable configuration

## General Specifications

Connector A, quantity	16
Color, boot A	Black
Color, connector A	Lime green
Connector B, quantity	16
Color, boot B	Black
Color, connector B	Lime green
Construction Type	Armored   Stranded
Furcation Color	Lime green
Interface, Connector A	MPO-12/UPC Male
Interface, Connector B	MPO-12/UPC Male
Jacket Color	Lime green
Polarity	Method B Enhanced (ULL)
Fibers per Subunit, quantity	12
Total Fibers, quantity	192

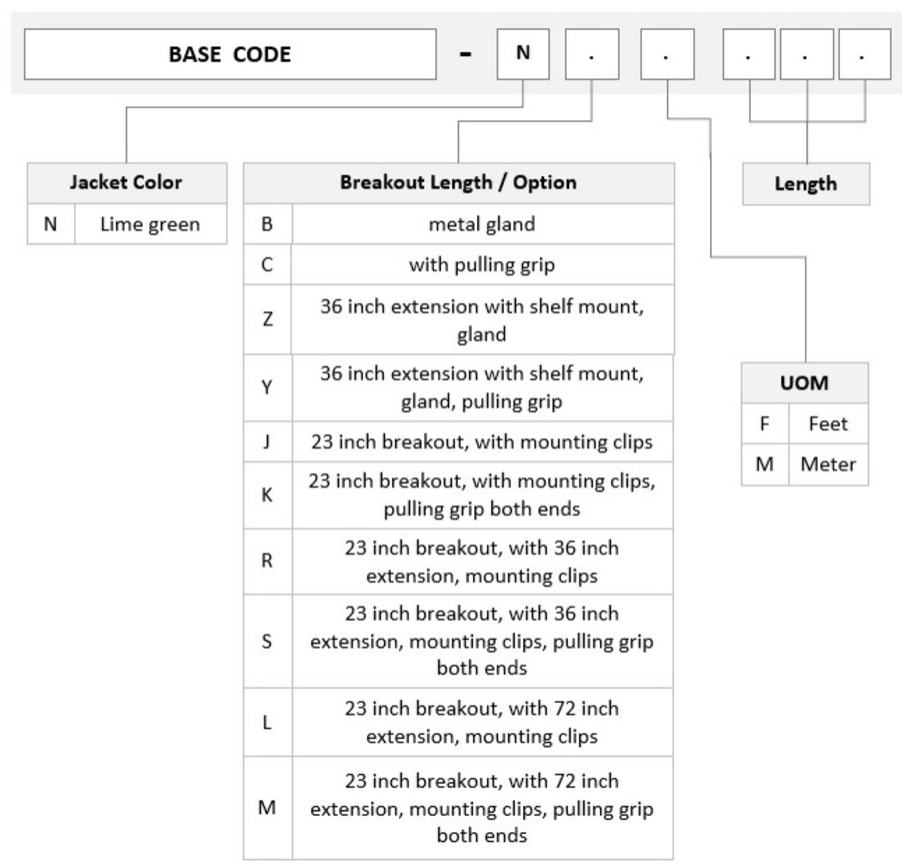
## Dimensions

Breakout Length	22 in
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# UKVMXMXCN

Cable Assembly Length Range (m)	3 – 305
Cable Assembly Length Range (ft)	10 – 999

## Ordering Tree



## Mechanical Specifications

Cable Retention Strength, maximum	11.24 lb @ 0 °   4.40 lb @ 90 °
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## Optical Specifications

Fiber Mode	Multimode
Fiber Type	OM5, LazrSPEED®

## Environmental Specifications

Operating Temperature	-10 °C to +60 °C (+14 °F to +140 °F)
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EN50575 CPR Cable EuroClass Fire Performance

Dca

Environmental Space

Dual Rated LSZH/Riser | Indoor

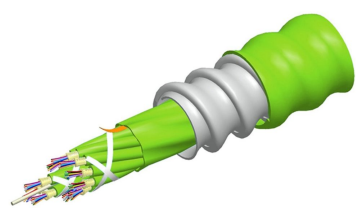
Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Above 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/Exempted
UK-ROHS	Compliant/Exempted



Included Products

760249686	–	Fiber indoor cable, LazrSPEED® Riser/LSZH rated, MPO Trunk, interlocking aluminum armored,
N-192-MZ-5G-F12AQ/20T/B2		Multimode OM5, 192 fiber multi-unit with 12 fiber subunits, Feet jacket marking, Lime-green
		jacket color, B2ca flame rating
860659008	–	MPO12, ULL, MALE, OM5, LIME, 2MM



Fiber indoor cable, LazrSPEED® Riser/LSZH rated, MPO Trunk, interlocking aluminum armored, Multimode OM5, 192 fiber multi-unit with 12 fiber subunits, Feet jacket marking, Lime-green jacket color, B2ca flame rating

Product Classification

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

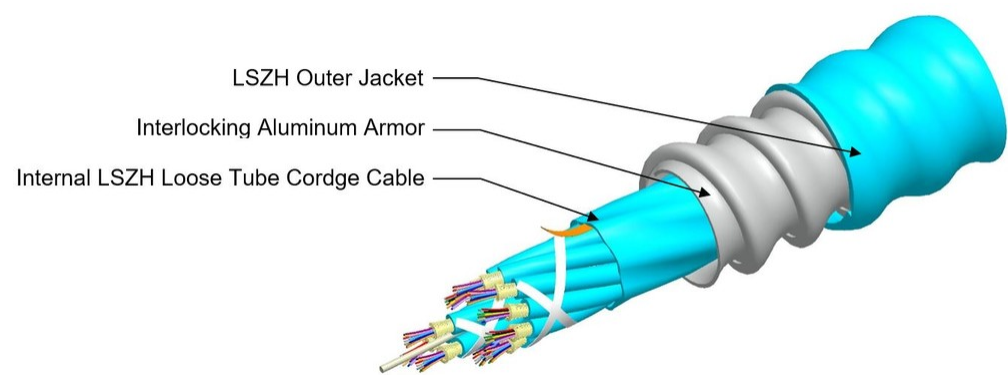
General Specifications

Armor Type	Interlocking aluminum
Cable Type	MPO trunk cable
Construction Type	Armored
Subunit Type	Gel-free
Filler, quantity	2
Jacket Color	Lime green
Jacket Marking	Feet
Subunit, quantity	16
Fibers per Subunit, quantity	12
Total Fiber Count	192

Dimensions

Buffer Tube/Subunit Diameter	2 mm   0.079 in
Diameter Over Armor	19.7 mm   0.776 in
Diameter Over Jacket	21.7 mm   0.854 in

Representative Image



## Mechanical Specifications

Minimum Bend Radius, loaded	326 mm   12.835 in
Minimum Bend Radius, unloaded	217 mm   8.543 in
Tensile Load, long term, maximum	200 N   44.962 lbf
Tensile Load, short term, maximum	667 N   149.948 lbf
Compression	85 N/mm   485.363 lb/in
Compression Test Method	FOTP-41   IEC 60794-1 E3
Flex	300 cycles
Flex Test Method	FOTP-104   IEC 60794-1 E6
Impact	35 N-m   309.776 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	54 m   177.165 ft

## Optical Specifications

Fiber Type	OM5, LazrSPEED® wideband
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## Environmental Specifications

Installation temperature	0 °C to +50 °C (+32 °F to +122 °F)
Operating Temperature	0 °C to +60 °C (+32 °F to +140 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)

# 760249686 | N-192-MZ-5G-F12AQ/20T/B2

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	d2
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Low Smoke Zero Halogen (LSZH)   Riser
Flame Test Listing	NEC OFCR-ST1 (ETL) and c(ETL)
Flame Test Method	IEC 60332-3   IEC 60754-2   IEC 61034-2   UL 1666   UL 1685

## Environmental Test Specifications

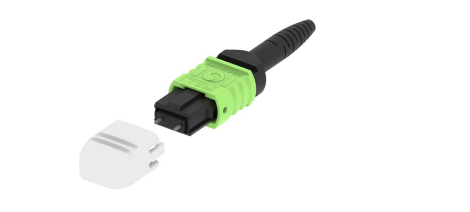
Heat Age	0 °C to +85 °C (+32 °F to +185 °F)
Heat Age Test Method	IEC 60794-1 F9
Low High Bend	0 °C to +50 °C (+32 °F to +122 °F)
Low High Bend Test Method	FOTP-37   IEC 60794-1 E11
Temperature Cycle	0 °C to +60 °C (+32 °F to +140 °F)
Temperature Cycle Test Method	FOTP-3   IEC 60794-1 F1

## Packaging and Weights

Cable weight	375 kg/km   251.988 lb/kft
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## \* Footnotes

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



MPO12, ULL, MALE, OM5, LIME, 2MM

Product Classification

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

General Specifications

Color	Lime green
Color, boot	Black
Ferrule Geometry	Flat
Interface	MPO/UPC Male
Interface Feature	Pinned
Total Fiber Count	12

Dimensions

Length	60.1 mm   2.366 in
Compatible Cable Diameter	2 mm   0.079 in

Material Specifications

Ferrule Material	Polymer
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Mechanical Specifications

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

Fiber Mode	Singlemode
Fiber Type	OM5, LazrSPEED®
Insertion Loss Change, mating	0.2 dB
Optical Components Standard	ANSI/TIA-568-C.3

# 860659008

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Insertion Loss, maximum	0.2 dB
Return Loss, minimum	27 dB

## Packaging and Weights

Packaging quantity	1
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## \* Footnotes

Insertion Loss Change, mating	TIA-568: Maximum insertion loss change after 500 matings
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