UHVQXUCTM

Base Product

Ultra Low Loss (ULL) OM5 MPO8 UPC (pinned) to UnterminatedFiber Trunk Cable Assembly, 144-Fiber, Armored Indoor Plenum

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	Propel	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	18
Color, boot A	Gray
Color, connector A	Lime green
Connector B, quantity	0
Construction Type	Armored	Stranded
Furcation Color	Lime green
Interface, Connector A	MPO-08/UPC Male
Interface, Connector B	Unterminated
Jacket Color	Lime green
Polarity	Method B Enhanced (ULL)
Fibers per Subunit, quantity	8
Total Fibers, quantity	144

Dimensions

Breakout Length	22 in
Cable Assembly Length Range (m)	3 – 305
Cable Assembly Length Range (ft)	10 – 999

COMMSCOPE®

UHVQXUCTM

Ordering Tree

BASE CODE	-	N	.	.	.	.	.

Jacket Color		Breakout Length / Option		UOM		Length
N	Lime green	J	Propel, 22 inch breakout, with cable management clip, no pulling grip	F	Feet	
		K	Propel, 22 inch breakout, with cable management clip, with pulling grip	M	Meter	

Mechanical Specifications

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

Optical Specifications

Fiber Mode	Multimode
Fiber Type	OM5, LazrSPEED®

Environmental Specifications

Operating Temperature	-10 °C to +60 °C (+14 °F to +140 °F)
Environmental Space	Indoor	Plenum

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

COMMSCOPE®

UHVQXUCTM

Included Products

760251180 P-144-MZ-5G-F08LM/20T	–	Fiber indoor cable, LazrSPEED Plenum MPO Trunk, interlocking aluminum armored with plenum jacket, 144 fiber multi-unit with 8 fiber subunits, Multimode OM5, Feet jacket marking, Yellow jacket color
860659021	–	MPO8, LL, MALE, OM5, LIME, 2MM

COMMSCOPE®

Fiber indoor cable, LazrSPEED Plenum MPO Trunk, interlocking aluminum armored with plenum jacket, 144 fiber multi-unit with 8 fiber subunits, Multimode OM5, Feet jacket marking, Yellow jacket color

Product Classification

Regional Availability	Asia	Australia/New Zealand	Latin America	Middle East/Africa	North America
Portfolio	CommScope®
Product Type	Fiber indoor cable
Product Series	P-MZ

General Specifications

Armor Type	Interlocking aluminum
Cable Type	MPO trunk cable
Construction Type	Armored
Subunit Type	Gel-free
Jacket Color	Yellow
Jacket Marking	Feet
Subunit, quantity	18
Fibers per Subunit, quantity	8
Total Fiber Count	144

Dimensions

Buffer Tube/Subunit Diameter	2 mm	0.079 in
Diameter Over Armor	18.4 mm	0.724 in
Diameter Over Jacket	20.5 mm	0.807 in

Representative Image

COMMSCOPE®

- Outer Jacket
- Interlocking Aluminum Armor
- Internal Plenum Loose Tube Cordage Cable
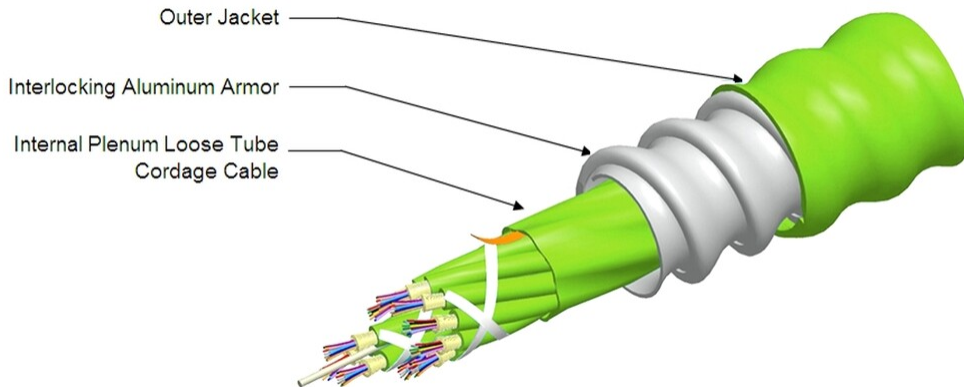
Mechanical Specifications

Minimum Bend Radius, loaded	307 mm	12.087 in
Minimum Bend Radius, unloaded	205 mm	8.071 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	25 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	55 m	180.446 ft

Optical Specifications

Fiber Type	OM5, LazrSPEED® wideband

Environmental Specifications

Installation temperature	0 °C to +70 °C (+32 °F to +158 °F)

COMMSCOPE®

Operating Temperature	0 °C to +70 °C (+32 °F to +158 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Cable Qualification Standards	ANSI/ICEA S-83-596	Telcordia GR-409
Environmental Space	Plenum
Flame Test Listing	NEC OFCP (ETL) and c(ETL)
Flame Test Method	NFPA 130	NFPA 262

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	371 kg/km	249.3 lb/kft

* Footnotes

Operating Temperature   Specification applicable to non-terminated bulk fiber cable

COMMSCOPE®

860659021

MP08, LL, 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	Gray
Ferrule Geometry	Flat
Interface	MPO/UPC Male
Interface Feature	Pinned
Total Fiber Count	8

Dimensions

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

Material Specifications

Ferrule Material	Polymer

Mechanical Specifications

Cable Retention Strength, maximum	11.24 lb @ 0 °

Optical Specifications

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

COMMSCOPE®

Insertion Loss, maximum	0.27 dB
Return Loss, minimum	27 dB

Packaging and Weights

Packaging quantity	1

* Footnotes

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

COMMSCOPE®