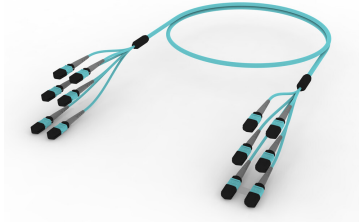# UGXQXQXTH

Base Product

Ultra Low Loss (ULL) OM4 MPO8 (Pinned) to MPO8 (Pinned), Fiber Trunk Cable Assembly, 48-Fiber, 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	6
Color, boot A	Gray
Color, connector A	Aqua
Connector B, quantity	6
Color, boot B	Gray
Color, connector B	Aqua
Construction Type	Stranded
Furcation Color	Aqua
Interface, Connector A	MPO-08/UPC Male
Interface, Connector B	MPO-08/UPC Male
Jacket Color	Aqua
Polarity	Method B Enhanced (ULL)
Fibers per Subunit, quantity	8
Total Fibers, quantity	48

Dimensions

Breakout Length	22 in

COMMSCOPE®

UGXQXQXTH

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

Ordering Tree

BASE CODE	-	M	.	.	.	.	.

Jacket Color

M	Aqua

Breakout Length / Option

J	Propel, 22 inch breakout, with cable management clip, no pulling grip
K	Propel, 22 inch breakout, with cable management clip, with pulling grip

UOM

F	Feet
M	Meter

Length

Mechanical Specifications

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

Optical Specifications

Fiber Mode	Multimode
Fiber Type	OM4, LazrSPEED®

Environmental Specifications

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

Regulatory Compliance/Certifications

Agency	Classification
ANATEL	Compliant
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

COMMSCOPE®

UGXQXQXTH

Included Products

760248182 P-048-MP-5K-F08AQ/20T	–	Fiber indoor cable, LazrSPEED® Plenum MPO Trunk, 48 fiber multi-unit with 8 fiber subunits, Multimode OM4, Gel-free, Feet jacket marking, Aqua jacket color
860659018	–	MPO-08, ULTRA LOW LOSS, MALE, OM3/4, AQUA, 2mm

COMMSCOPE®

760248182 | P-048-MP-5K-F08AQ/20T

Fiber indoor cable, LazrSPEED® Plenum MPO Trunk, 48 fiber multi-unit with 8 fiber subunits, Multimode OM4, Gel-free, Feet jacket marking, Aqua 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-MP

General Specifications

Cable Type	MPO trunk cable
Construction Type	Non-armored
Subunit Type	Gel-free
Jacket Color	Aqua
Jacket Marking	Feet
Subunit, quantity	6
Fibers per Subunit, quantity	8
Total Fiber Count	48

Dimensions

Buffer Tube/Subunit Diameter	2 mm | 0.079 in
Diameter Over Jacket	9.3 mm | 0.366 in

Representative Image

COMMSCOPE®

Outer Jacket
Ripcord
12-Fiber Subunits
Central Member

Mechanical Specifications

Minimum Bend Radius, loaded	141 mm | 5.551 in
Minimum Bend Radius, unloaded	94 mm | 3.701 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	0.74 N-m | 6.55 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	227 m | 744.751 ft

Optical Specifications

Fiber Type	OM4, LazrSPEED® 550 | OM4, LazrSPEED® 550

Environmental Specifications

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

COMMSCOPE®

Cable Qualification Standards	ANSI/ICEA S-83-596	Telcordia GR-409
Environmental Space	Plenum
Flame Test Listing	NEC OFNP (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	90 kg/km	60.477 lb/kft

* Footnotes

Operating Temperature   Specification applicable to non-terminated bulk fiber cable

COMMSCOPE®

MPO-08, ULTRA LOW LOSS, MALE, OM3/4, AQUA, 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	Aqua
Color, boot	Black
Ferrule Geometry	Flat
Interface	MPO/UPC Male
Interface Feature	Pinned
Total Fiber Count	8

Dimensions

Compatible Cable Diameter	2 mm	0.079 in

Material Specifications

Ferrule Material	Polymer

Optical Specifications

Fiber Mode	Multimode
Fiber Type	OM3	OM4
Optical Components Standard	ANSI/TIA-568-C.3
Insertion Loss, ULL, maximum	0.2 dB
Return Loss, minimum	27 dB

Packaging and Weights

COMMSCOPE®

860659018

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

COMMSCOPE®