UKGMPMPDF

Base Product



Ultra Low Loss (ULL) Singlemode, MPO12 Unpinned to MPO12 Unpinned, Fiber Trunk Cable Assembly, 24-Fiber, Indoor/Outdoor Armored, Low Smoke Zero Halogen/Riser

Product Classification

Regional Availability	Asia Australia/New Zealand China India Latin America Middle East /Africa North America
Portfolio	CommScope®
Product Type	Fiber trunk cable assembly
Product Brand	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

Color, boot A	Black
Color, connector A	Green
Color, boot B	Black
Color, connector B	Green
Construction Type	Armored Stranded
Furcation Color	Yellow
Interface, Connector A	MPO-12/APC Female
Interface, Connector B	MPO-12/APC Female
Jacket Color	Black
Polarity	Method B Enhanced (ULL)
Fibers per Subunit, quantity	12
Total Fibers, quantity	24

Dimensions

Page 1 of 8

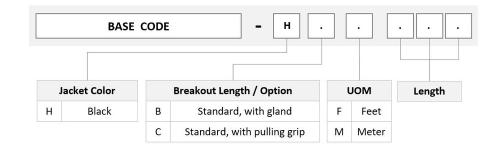
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UKGMPMPDF

Breakout Length	33 in
Cable Assembly Length Range (m)	3 – 999
Cable Assembly Length Range (ft)	10 - 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.657.A2, TeraSPEED®

Environmental Specifications

Operating Temperature	-10 °C to +60 °C (+14 °F to +140 °F)	
Environmental Space	Dual Rated LSZH/Riser Indoor/Outdoor	

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



Page 2 of 8

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UKGMPMPDF

Included Products		
760238841 Z-024-MZ-8G-F12BK	-	Fiber Indoor/Outdoor cable, Low Smoke Zero Halogen Riser MPO Trunk, interlocking aluminum armored, 24 fiber multi-unit with 12 fiber subunits, Singlemode G.657.A2, Feet jacket marking, Black jacket color
860638318	-	MP012, ULTRA LOW LOSS, FEMALE, Singlemode, GREEN, 3mm

Page 3 of 8

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760238841 | Z-024-MZ-8G-F12BK



Fiber Indoor/Outdoor cable, Low Smoke Zero Halogen Riser MPO Trunk, interlocking aluminum armored, 24 fiber multi-unit with 12 fiber subunits, Singlemode G.657.A2, Feet jacket marking, Black jacket color

Product Classification

PortfolioCommScope@Product TypeFiber indoor/outdoor cableProduct Series2-MZGeneral SpecificationsInterlocking aluminumCable TypeInterlocking aluminumCable TypeMPO trunk cableConstruction TypeGel-freeSuburit Type2Jacket ColorBackJacket ColorFeetSubunit, quantity2Filers per Subunit, quantity12Total Fiber Cont12Fibers per Subunit, quantity2Jacket Marking12Fiber Sper Subunit, quantity3mm 0.118 inDimensionsSimm 0.205 inFiber Tube/Subunit Diameter158 mm 0.205 inDiameter Over Jacket17.9mm 0.705 in	Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Product Series2/MZProduct Series2/MZGeneral SpecificationsInterlocking aluminumArmor TypeInterlocking aluminumCable TypeMPO trunk cableConstruction TypeArmoredSubunit TypeGel-freeSubunit TypeSel-freeJacket ColorBlackJacket ColorFeetSubunit, quantity2Fibers per Subunit, quantity12Fibers per Subunit, quantity12Total Fiber Count24DimensionsSmm 0.118 inBuffer Tube/Subunit DiameterSmm 0.625 inI and the Count158 mm 0.625 in	Portfolio	CommScope®
General SpecificationsArmor TypeInterlocking aluminumCable TypeMPO trunk cableConstruction TypeArmoredSubunit TypeGel-freeFiller, quantity2Jacket ColorBlackJacket MarkingFeetSubunit, quantity12Fibers per Subunit, quantity2Total Fiber CountJ4DimensionsSum 0.118 inBuffer Tube/Subunit DiameterSum 0.625 inJacket MarkingSum 0.625 in	Product Type	Fiber indoor/outdoor cable
Armor TypeInterlocking aluminumCable TypeMPO trunk cableConstruction TypeArmoredSubunit TypeGel freeFiller, quantity2Jacket ColorBlackJacket MarkingPeetSubunit, quantity2Fibers per Subunit, quantity12Total Fiber Court34DimensionsSmm 0.118 inBuffer Tube/Subunt DiameterSmm 0.255 inBuffer Tube/Subunt Diameter158 smm 0.625 in	Product Series	Z-MZ
Cable TypeMPO trunk cableConstruction TypeArmoredSubunit TypeGel-freeFiller, quantity2Jacket ColorBlackJacket MarkingFeetSubunit, quantity2Fibers per Subunit, quantity12Total Fiber CountJacket MarkingBuffer Tube/Subunit DiameterSmm 0.118 inDiameter Over Armor15.88 mm 0.625 in	General Specifications	
Construction TypeArmoredSubunit TypeGel-freeFiller, quantity2Jacket ColorBlackJacket MarkingFeetSubunit, quantity2Fibers per Subunit, quantity12Total Fiber Court24DimensionsSmm 0.118 inBuffer Tube/Subunit Diameter15.88 mm 0.625 in	Armor Type	Interlocking aluminum
Suburit TypeGel-freeFiller, quantity2Jacket ColorBlackJacket MarkingFeetSubunit, quantity2Fibers per Subunit, quantity12Total Fiber Count24DimensionsSum 0.118 inBuffer Tube/Subunit DiameterSamm 0.25 inNameter Over Armor15.88 mm 0.625 in	Cable Type	MPO trunk cable
Filler, quantity2Jacket ColorBlackJacket MarkingFeetSubunit, quantity2Fibers per Subunit, quantity12Total Fiber Count24DimensionsSamm 0.118 inBuffer Tube/Subunit DiameterSamm 0.625 in	Construction Type	Armored
Jacket ColorBlackJacket ColorBlackJacket MarkingFeetSubunit, quantity2Fibers per Subunit, quantity12Total Fiber Count24DimensionsSumm 0.118 inBuffer Tube/Subunit DiameterSumm 0.25 inDiameter Over Armor15.88 mm 0.625 in	Subunit Type	Gel-free
Jacket MarkingFeetSubunit, quantity2Fibers per Subunit, quantity12Total Fiber Count24DimensionsSimm 0.118 inBuffer Tube/Subunit Diameter3 mm 0.118 inDiameter Over Armor15.88 mm 0.625 in	Filler, quantity	2
Subunit, quantity2Fibers per Subunit, quantity12Total Fiber Count24Dimensions3mm 0.118 inBuffer Tube/Subunit Diameter3mm 0.625 in	Jacket Color	Black
Fibers per Subunit, quantity12Total Fiber Count24Dimensionssmm 0.118 inBuffer Tube/Subunit Diameter3 mm 0.118 inDiameter Over Armor15.88 mm 0.625 in	Jacket Marking	Feet
Total Fiber Count24Dimensions3 mm 0.118 inBuffer Tube/Subunit Diameter3 mm 0.118 inDiameter Over Armor15.88 mm 0.625 in	Subunit, quantity	2
DimensionsBuffer Tube/Subunit Diameter3 mm 0.118 inDiameter Over Armor15.88 mm 0.625 in	Fibers per Subunit, quantity	12
Buffer Tube/Subunit Diameter 3 mm 0.118 in Diameter Over Armor 15.88 mm 0.625 in	Total Fiber Count	24
Diameter Over Armor 15.88 mm 0.625 in	Dimensions	
	Buffer Tube/Subunit Diameter	3 mm 0.118 in
Diameter Over Jacket 17.9 mm 0.705 in	Diameter Over Armor	15.88 mm 0.625 in
	Diameter Over Jacket	17.9 mm 0.705 in

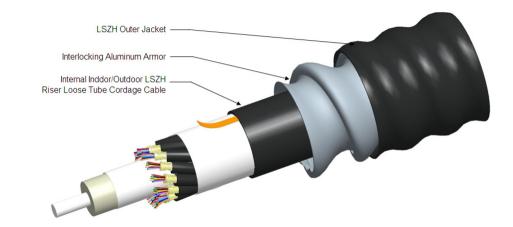
Representative Image

Page 4 of 8

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Mechanical Specifications

Minimum Bend Radius, loaded	269 mm 10.591 in
Minimum Bend Radius, unloaded	179 mm 7.047 in
Tensile Load, long term, maximum	400 N 89.924 lbf
Tensile Load, short term, maximum	1335 N 300.12 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	166 m 544.619 ft
Optical Specifications	

Fiber Type

G.657.A2/B2 | G.657.A2/B2

Environmental Specifications

Installation temperature

-30 °C to +60 °C (-22 °F to +140 °F)

Page 5 of 8

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760238841 | Z-024-MZ-8G-F12BK

Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Cable Qualification Standards	ANSI/ICEA S-83-596 Telcordia GR-409
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
Jacket UV Resistance	UV stabilized

Environmental Test Specifications

Cable Freeze Test Method	IEC 60794-1 F15
Heat Age	-20 °C to +85 °C (-4 °F to +185 °F)
Heat Age Test Method	IEC 60794-1 F9
Low High Bend	-20 °C to +70 °C (-4 °F to +158 °F)
Low High Bend Test Method	FOTP-37 IEC 60794-1 E11
Temperature Cycle	-20 °C to +70 °C (-4 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3 IEC 60794-1 F1

Packaging and Weights

Cable weight	
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245 kg/km | 164.632 lb/kft

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	Compliant
UK-ROHS	Compliant

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

Page 6 of 8

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860638318



Product Classification

MP012, ULTRA LOW LOSS, FEMALE, Singlemode, GREEN, 3mm

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Portfolio	CommScope®
Product Type	Fiber connector
Product Brand	TeraSPEED®
General Specifications	
Color	Green
Color, boot	Black
Ferrule Geometry	Angled
Interface	MPO/APC Female
Interface Feature	Unpinned
Total Fiber Count	12
Dimensions	
Length	60.1 mm 2.366 in
Compatible Cable Diameter	3 mm 0.118 in
Material Specifications	
Ferrule Material	Polymer
Mechanical Specifications	
Cable Retention Strength, maximum	11.24 lb @ 0 °
Optical Specifications	
Fiber Mode	Singlemode
Fiber Type	G.652.D and G.657.A1, TeraSPEED® OS2
Insertion Loss Change, mating	0.3 dB
Optical Components Standard	ANSI/TIA-568-C.3

Page 7 of 8

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860638318

Insertion Loss Change, temperature	0.3 dB
Insertion Loss, maximum	0.35 dB
Return Loss, minimum	65 dB

Packaging and Weights

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

* 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)

Page 8 of 8

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