UKGMXUCSX

Base Product

Ultra Low Loss Singlemode MPO12 Pinned to Unconnectorized 864-Fiber Pre-terminated Trunk Cable, Rollable Ribbon Indoor/Outdoor Armored Central Tube, Low Smoke Zero Halogen/Riser

Product Classification

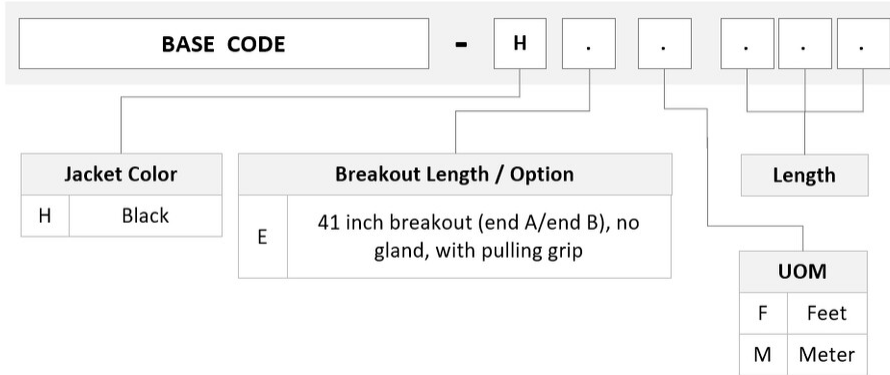|	
Regional Availability	Asia | Australia/New Zealand | Europe | Latin America | Middle East /Africa | North America
Portfolio	CommScope®
Product Type	Fiber trunk cable assembly
Product Brand	SYSTIMAX ULL
Ordering Note	For additional jacket colors, please contact a CommScope Sales Representative | For 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
Construction Type	Armored | Rollable ribbon
Furcation Color	Yellow
Interface, Connector A	MPO-12/APC Male
Interface, Connector B	Unterminated
Jacket Color	Black
Polarity	Method B Enhanced (ULL)
Fibers per Subunit, quantity	12
Total Fibers, quantity	864

Dimensions

Breakout Length	33 in
Cable Assembly Length Range (m)	3 – 999
Cable Assembly Length Range (ft)	10 – 999

Ordering Tree

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| BASE CODE | - H | . | . | . | . | . |

Jacket Color

| H | Black |

Breakout Length / Option

| E | 41 inch breakout (end A/end B), no gland, with pulling grip |

Length

UOM

| F | Feet |
| M | Meter |

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

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

Included Products

| 760239052 Z-864-CZ-RR-F12BK/8G/99G/B2 | – | Fiber indoor/outdoor cable, Interlocking Armored, LSZH Riser-Rated, Gel-Free, Central Tube Rollable Ribbon, 864 fiber, Singlemode G.657.A2/B2, Feet jacket marking, Black jacket color, B2ca flame rating |

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860638317   –   MPO12, ULTRA LOW LOSS, MALE, Singlemode, GREEN, 3mm

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760239052 | Z-864-CZ-RR-F12BK/8G/99G/B2

Fiber indoor/outdoor cable, Interlocking Armored, LSZH Riser-Rated, Gel-Free, Central Tube Rollable Ribbon, 864 fiber, Singlemode G.657.A2/B2, Feet jacket marking, Black jacket color, B2ca 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-CZ

General Specifications

Cable Type	Ribbon central tube
Construction Type	Armored
Subunit Type	Gel-free
Fibers per Ribbon, quantity	12
Inner Jacket Color	Black
Jacket Color	Black
Jacket Marking	Feet
Total Fiber Count	864

Dimensions

Buffer Tube/Subunit Diameter	14 mm	0.551 in
Diameter Over Jacket	28.1 mm	1.106 in

Representative Image

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Flame Retardant Outer Jacket
Interlocking Aluminum Armor
Flame Retardant Outer Jacket
Strength Elements
Water-Blocking Tape
Ripcords
All-Dry Central Tube
Water-Blocking Tape
Rollable Ribbon
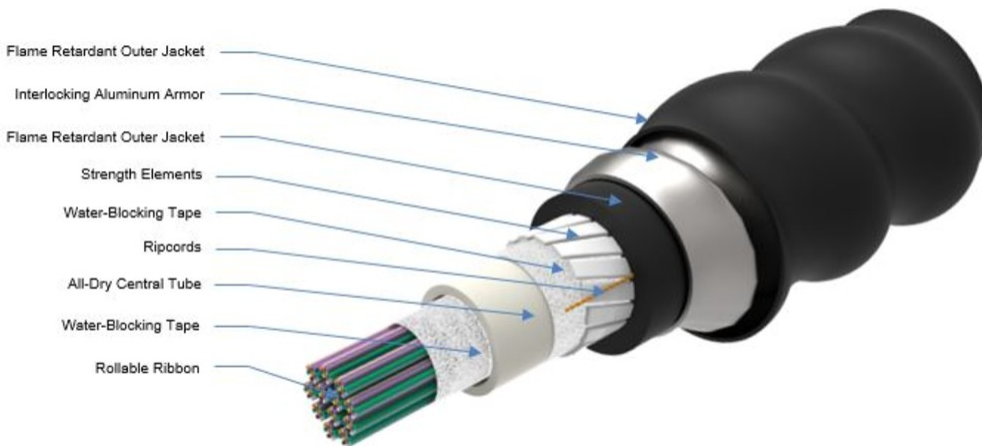
Mechanical Specifications

Minimum Bend Radius, loaded	562 mm | 22.126 in
Minimum Bend Radius, unloaded	393 mm | 15.472 in
Tensile Load, long term, maximum	800 N | 179.847 lbf
Tensile Load, short term, maximum	2670 N | 600.24 lbf
Compression	10 N/mm | 57.101 lb/in
Compression Test Method	FOTP-41 | IEC 60794-1 E3
Flex	25 cycles
Flex Test Method	FOTP-104 | IEC 60794-1 E6
Impact	5.15 N-m | 45.581 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

Optical Specifications

Fiber Type	G.657.A2/B2 | G.657.A2/B2

Environmental Specifications

Installation temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)

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Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Cable Qualification Standards	ANSI/ICEA S-104-696	EN 187105	Telcordia GR-409
EN50575 CPR Cable EuroClass Fire Performance	B2ca
EN50575 CPR Cable EuroClass Smoke Rating	s1b
EN50575 CPR Cable EuroClass Droplets Rating	d2
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Aerial, lashed	Buried	Low Smoke Zero Halogen (LSZH)	Riser
Flame Test Listing	NEC OFCR-ST1 (ETL) and c(ETL)
Flame Test Method	CSA FT4	IEC 60332-1-2	IEC 60754-2	IEC 61034-2	UL 1666	UL 1685
Jacket UV Resistance	UV stabilized
Water Penentration	24 h
Water Penentration Test Method	FOTP-82	IEC 60794-1 F5

Environmental Test Specifications

Cable Freeze	-2 °C	28.4 °F
Cable Freeze Test Method	FOTP-98	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	-20 °C to +60 °C (-4 °F to +140 °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	754.1 kg/km	506.732 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

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CENELEC

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable
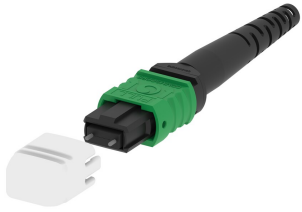
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MPO12, ULTRA LOW LOSS, MALE, Singlemode, GREEN, 3mm

Product Classification

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 Male
Interface Feature	Pinned
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 °
Mechanical Components Standard	IEC 61754-7

Optical Specifications

Fiber Mode	Singlemode
Fiber Type	G.652.D and G.657.A1, TeraSPEED® | OS2
Insertion Loss Change, mating	0.3 dB

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Optical Components Standard	ANSI/TIA-568-C.3
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
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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)

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