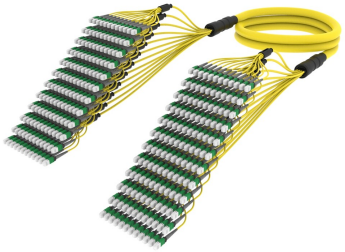
UJGQXQXRY

Base Product



Ultra Low Loss Singlemode MPO8 Pinned to MPO8 Pinned 1728-Fiber Pre-terminated Trunk Cable, 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	Gray
Color, connector A	Green
Color, boot B	Gray
Color, connector B	Green
Construction Type	Rollable ribbon
Furcation Color	Yellow
Interface, Connector A	MPO-08/APC Male
Interface Feature, connector A	Angled
Interface, Connector B	MPO-08/APC Male
Interface Feature, connector B	Angled
Jacket Color	Yellow
Polarity	Method B Enhanced (ULL)
Fibers per Subunit, quantity	12
Total Fibers, quantity	1728

Dimensions

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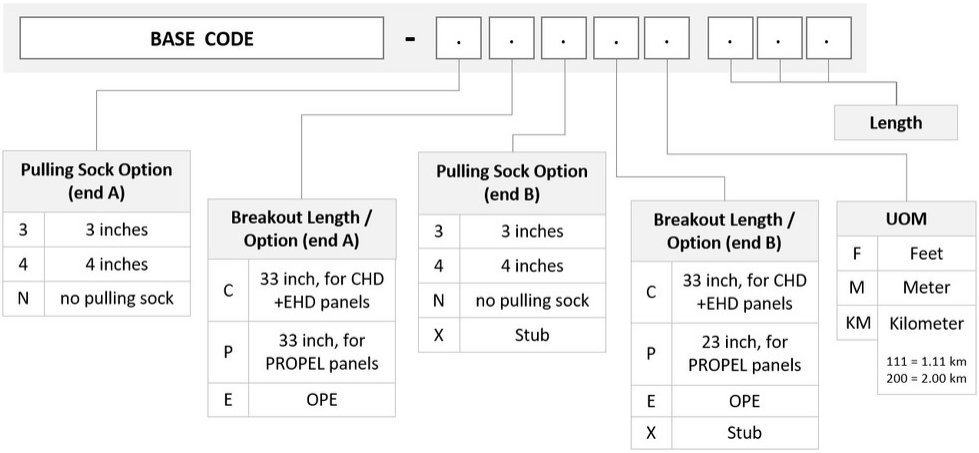
UJGQXQXRY

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

Regulatory Compliance/Certifications

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

Included Products

460202379	–	MPO8/12 ULL Male, Singlemode, Yellow, Push-Pull, 3mm
760244182 N-1728-LN-RR-F12YL/8G/99H/C	–	Fiber indoor cable, All-Dielectric, LSZH Riser-Rated, Gel-Free, Loose Tube Rollable Ribbon, 1728 fiber, Singlemode G.657.A2, Feet jacket marking, Yellow jacket color

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460202379

MPO8/12 ULL Male, Singlemode, Yellow, Push-Pull, 3mm

Product Classification

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

General Specifications

Boot Style	Push-pull
Color	Yellow
Color, boot	Black
Ferrule Geometry	Angled
Interface	MPO/APC Male
Interface Feature	Pinned
Total Fiber Count	8

Dimensions

Length	54.3 mm | 2.138 in
Compatible Cable Diameter	3 mm | 0.118 in
Dimensional Standards	IEC 61754-7 | TIA-604-5

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	0.15 dB
Optical Components Standard	ANSI/TIA-568-C.3
Insertion Loss Change, temperature	0.25 dB
Insertion Loss, maximum	0.25 dB

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Return Loss, minimum	60 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)

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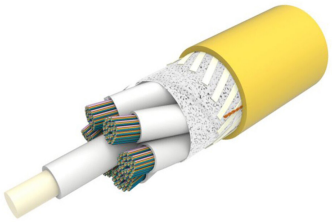
760244182 | N-1728-LN-RR-F12YL/8G/99H/C



Fiber indoor cable, All-Dielectric, LSZH Riser-Rated, Gel-Free, Loose Tube Rollable Ribbon, 1728 fiber, Singlemode G.657.A2, Feet jacket marking, Yellow jacket color

Product Classification

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

General Specifications

Cable Type	Ribbon loose tube
Construction Type	Non-armored
Subunit Type	Gel-free
Fibers per Ribbon, quantity	12
Jacket Color	Yellow
Jacket Marking	Feet
Fibers per Subunit, quantity	288
Total Fiber Count	1728

Dimensions

Cable Length	2108 m | 6,916.011 ft
Buffer Tube/Subunit Diameter	7.2 mm | 0.283 in
Diameter Over Jacket	25.4 mm | 1 in

Representative Image

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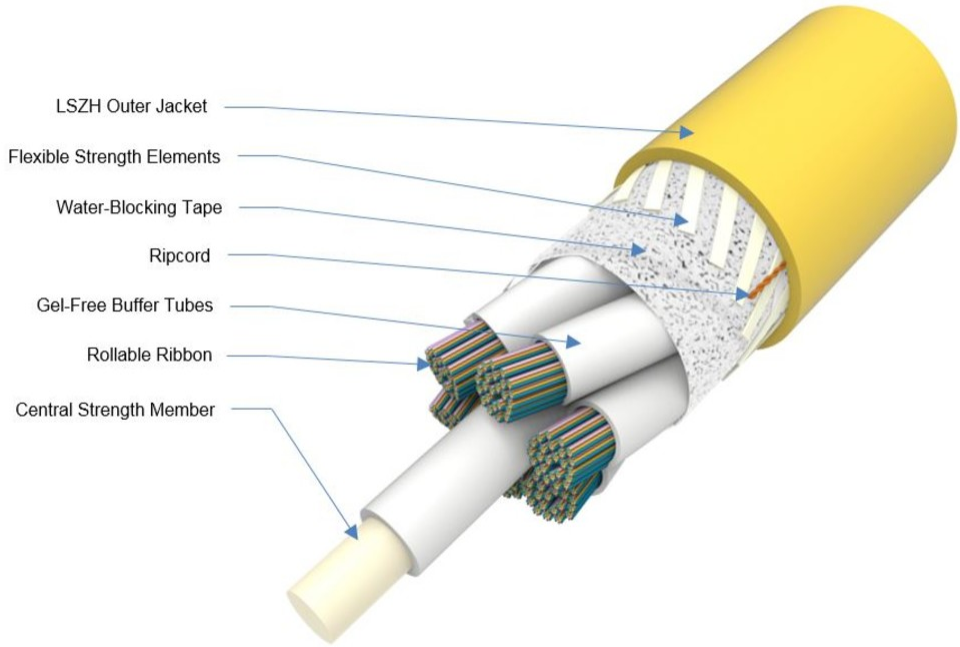
760244182 | N-1728-LN-RR-F12YL/8G/99H/C



Mechanical Specifications

Minimum Bend Radius, loaded	508 mm | 20 in
Minimum Bend Radius, storage coils	508 mm | 20 in
Minimum Bend Radius, unloaded	127 mm | 5 in
Tensile Load, long term, maximum	800 N | 179.847 lbf
Tensile Load, short term, maximum	2670 N | 600.24 lbf
Compression	22 N/mm | 125.623 lb/in
Compression Test Method	FOTP-41 | IEC 60794-1 E3
Flex	25 cycles
Flex Test Method	FOTP-104 | IEC 60794-1 E6
Impact	4.4 N-m | 38.943 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 | G.657.A2, TeraSPEED®

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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)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Cable Qualification Standards	ANSI/ICEA S-87-640 | Telcordia GR-20-CORE Issue 4
EN50575 CPR Cable EuroClass Fire Performance	Cca
EN50575 CPR Cable EuroClass Smoke Rating	s1b
EN50575 CPR Cable EuroClass Droplets Rating	d1
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Low Smoke Zero Halogen (LSZH)
Flame Test Listing	NEC OFNR-ST1 (UL) and c(UL)
Flame Test Method	CSA FT4 | UL 1666
Water Penetration	24 h
Water Penetration 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	-30 °C to +60 °C (-22 °F to +140 °F)
Low High Bend Test Method	FOTP-37 | IEC 60794-1 E11
Temperature Cycle	-40 °C to +70 °C (-40 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3 | IEC 60794-1 F1

Packaging and Weights

Cable weight	634 kg/km | 426.028 lb/kft

Regulatory Compliance/Certifications

Agency	Classification
ANATEL	Compliant
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available

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* Footnotes

Operating Temperature	Specification applicable to non-terminated bulk fiber cable

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