UFVLCUC21

Ultra Low Loss (ULL) OM5 LC/UPC to Unconnectorized, 1.6 mm Simplex Fiber Pigtail, Low Smoke Zero Halogen (LSZH)

Product Classification

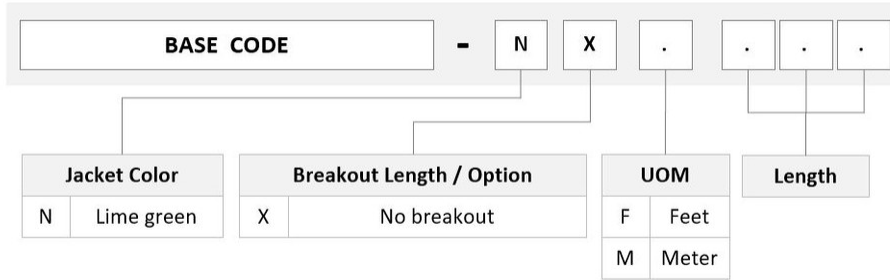|	
Regional Availability	Asia | Australia/New Zealand | Europe | Latin America | Middle East /Africa | North America
Portfolio	CommScope®
Product Type	Fiber pigtail, jacketed
Product Brand	SYSTIMAX ULL
Product Series	UFV
Ordering Note	For lengths greater than 999 ft (304 m), orders must be in meters | Minimum length may vary based on cable configuration

General Specifications

Color, boot A	Lime green
Color, connector A	Beige
Interface, Connector A	LC/UPC
Jacket Color	Lime green
Total Fibers, quantity	1

Dimensions

Cable Assembly Length Range (m)	1 – 61
Cable Assembly Length Range (ft)	2 – 200
Diameter Over Jacket	1.6 mm | 0.063 in

Ordering Tree

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| BASE CODE | – | N | X | . | . | . | . |

Jacket Color		Breakout Length / Option		UOM		Length
N	Lime green	X	No breakout	F	Feet	
				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**   Dual Rated LSZH/Riser

Regulatory Compliance/Certifications

Agency	Classification
ANATEL	Compliant
CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted

Included Products

760238502 N-001-SP-5G-F16LM/E	–	Fiber Indoor Cable, LazrSPEED® 1.6mm Low Smoke Zero Halogen Riser, 1-fiber Simplex, Multimode OM5, Feet jacket marking, Lime green jacket color, Eca Flame Rating
860637378	–	LazrSPEED® Elite LC Connector duplex for 1.6 mm Fiber, multimode

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760238502 | N-001-SP-5G-F16LM/E
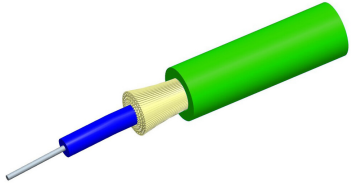
Fiber Indoor Cable, LazrSPEED® 1.6mm Low Smoke Zero Halogen Riser, 1-fiber Simplex, Multimode OM5, Feet jacket marking, Lime green jacket color, Eca Flame Rating

Product Classification

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

General Specifications

Cable Type	Cordage
Construction Type	Non-armored
Subunit Type	Gel-free
Jacket Color	Lime green
Jacket Marking	Feet
Total Fiber Count	1

Dimensions

Diameter Over Jacket	1.7 mm	0.067 in

Representative Image

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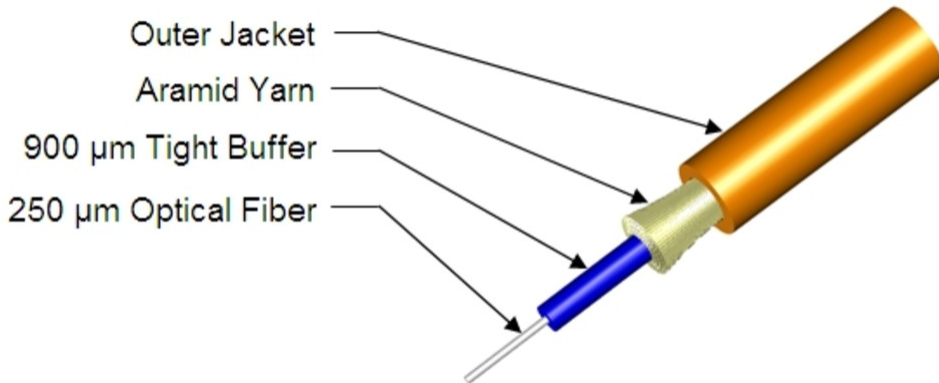
Mechanical Specifications

Minimum Bend Radius, loaded	38 mm	1.496 in
Minimum Bend Radius, unloaded	15 mm	0.591 in
Tensile Load, long term, maximum	29 N	6.519 lbf
Tensile Load, short term, maximum	98 N	22.031 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	500 m	1,640.42 ft

Optical Specifications

Fiber Type	OM5, LazrSPEED® wideband	OM5, LazrSPEED® wideband

Environmental Specifications

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Installation temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Operating Temperature	-20 °C to +70 °C (-4 °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
EN50575 CPR Cable EuroClass Fire Performance	Eca
Environmental Space	Low Smoke Zero Halogen (LSZH)	Riser
Flame Test Listing	NEC OFNR-ST1 (ETL) and c(ETL)
Flame Test Method	IEC 60332-1-2	IEC 60332-3	IEC 60754-2	IEC 61034-2	UL 1666	UL 1685

Environmental Test Specifications

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	2.8 kg/km	1.882 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

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LazrSPEED® Elite LC Connector duplex for 1.6 mm Fiber, multimode

Product Classification

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

General Specifications

Body Style	Duplex
Color	Beige
Ferrule Geometry	Pre-radiused
Interface	LC/UPC

Dimensions

Length	50.3 mm	1.98 in
Compatible Cable Diameter	1.6 mm	0.063 in

Material Specifications

Ferrule Material	Zirconia

Mechanical Specifications

Cable Retention Strength, maximum	11.24 lb @ 0 °

Optical Specifications

Fiber Mode	Multimode
Optical Components Standard	ANSI/TIA-568-C.3
Insertion Loss, ULL, maximum	0.15 dB
Return Loss, minimum	35 dB

Packaging and Weights

Packaging quantity	2

Regulatory Compliance/Certifications

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860637378

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

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