

# UDVLCUC21

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## Base Product



Ultra Low Loss (ULL) OM5 LC/UPC to Unconnectorized, 1.6 mm Simplex Fiber Pigtail, Plenum

## Product Classification

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

## General Specifications

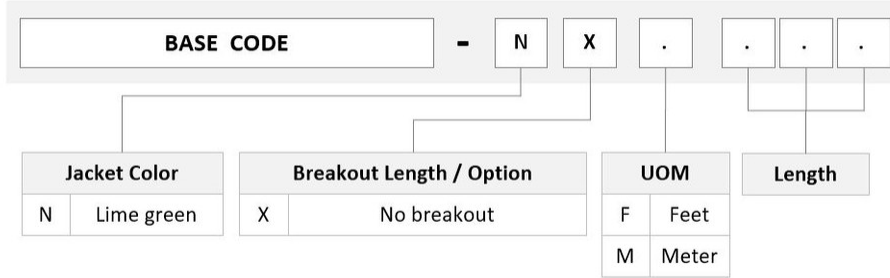
<b>Color, boot A</b>	Lime green
<b>Color, connector A</b>	Beige
<b>Interface, Connector A</b>	LC/UPC
<b>Jacket Color</b>	Lime green
<b>Total Fibers, quantity</b>	1

## Dimensions

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

## Ordering Tree

# UDVLCUC21



## 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** Plenum

## Regulatory Compliance/Certifications

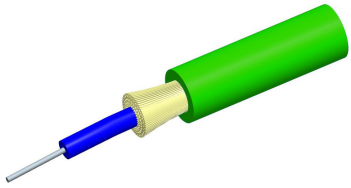
Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

## Included Products

- 760238500 P-001-SP-5G-F16LM – Fiber indoor cable, LazrSPEED® 1.6 mm Plenum Simplex, Multimode OM5, Feet jacket marking, Lime green jacket color
- 860637378 – LazrSPEED® Elite LC Connector duplex for 1.6 mm Fiber, multimode

# 760238500 | P-001-SP-5G-F16LM

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Fiber indoor cable, LazrSPEED® 1.6 mm Plenum Simplex, Multimode OM5, Feet jacket marking, Lime green jacket color

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   Latin America   Middle East/Africa   North America
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber indoor cable
<b>Product Series</b>	P-SP

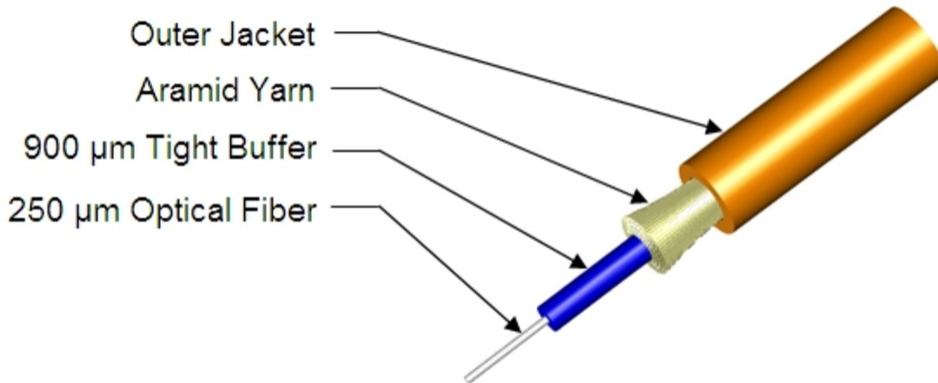
## General Specifications

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

## Dimensions

<b>Diameter Over Jacket</b>	1.7 mm   0.067 in
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## Representative Image



## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	38 mm   1.496 in
<b>Minimum Bend Radius, unloaded</b>	15 mm   0.591 in
<b>Tensile Load, long term, maximum</b>	29 N   6.519 lbf
<b>Tensile Load, short term, maximum</b>	98 N   22.031 lbf
<b>Compression</b>	10 N/mm   57.101 lb/in
<b>Compression Test Method</b>	FOTP-41   IEC 60794-1 E3
<b>Flex</b>	300 cycles
<b>Flex Test Method</b>	FOTP-104   IEC 60794-1 E6
<b>Impact</b>	0.74 N-m   6.55 in lb
<b>Impact Test Method</b>	FOTP-25   IEC 60794-1 E4
<b>Strain</b>	See long and short term tensile loads
<b>Strain Test Method</b>	FOTP-33   IEC 60794-1 E1
<b>Twist</b>	10 cycles
<b>Twist Test Method</b>	FOTP-85   IEC 60794-1 E7
<b>Vertical Rise, maximum</b>	500 m   1,640.42 ft

## Optical Specifications

<b>Fiber Type</b>	OM5, LazrSPEED® wideband   OM5, LazrSPEED® wideband
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## Environmental Specifications

# 760238500 | P-001-SP-5G-F16LM

<b>Installation temperature</b>	0 °C to +70 °C (+32 °F to +158 °F)
<b>Operating Temperature</b>	-20 °C to +70 °C (-4 °F to +158 °F)
<b>Storage Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Cable Qualification Standards</b>	ANSI/ICEA S-83-596   Telcordia GR-409
<b>Environmental Space</b>	Plenum
<b>Flame Test Listing</b>	NEC OFNP (ETL) and c(ETL)
<b>Flame Test Method</b>	NFPA 130   NFPA 262

## Environmental Test Specifications

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

## Packaging and Weights

<b>Cable weight</b>	3 kg/km   2.016 lb/kft
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## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



## \* Footnotes

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable

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

## Product Classification

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

## General Specifications

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

## Dimensions

<b>Length</b>	50.3 mm   1.98 in
<b>Compatible Cable Diameter</b>	1.6 mm   0.063 in

## Material Specifications

<b>Ferrule Material</b>	Zirconia
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## Mechanical Specifications

<b>Cable Retention Strength, maximum</b>	11.24 lb @ 0 °
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## Optical Specifications

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

## Packaging and Weights

<b>Packaging quantity</b>	2
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## Regulatory Compliance/Certifications

# 860637378

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**Agency**

CHINA-ROHS

REACH-SVHC

ROHS

UK-ROHS

**Classification**

Below maximum concentration value

Compliant as per SVHC revision on [www.commscope.com/ProductCompliance](http://www.commscope.com/ProductCompliance)

Compliant

Compliant