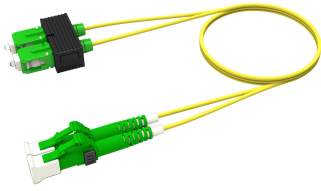


FFWLASA42



Singlemode LC APC to SC APC, Fiber Patch Cord, 1.6 mm Duplex, Low Smoke Zero Halogen (LSZH)

Product Classification

Regional Availability	Asia Australia/New Zealand Europe Latin America Middle East/Africa
Portfolio	CommScope®
Product Type	Fiber patch cord, duplex
Product Brand	SYSTIMAX InstaPATCH® 360
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

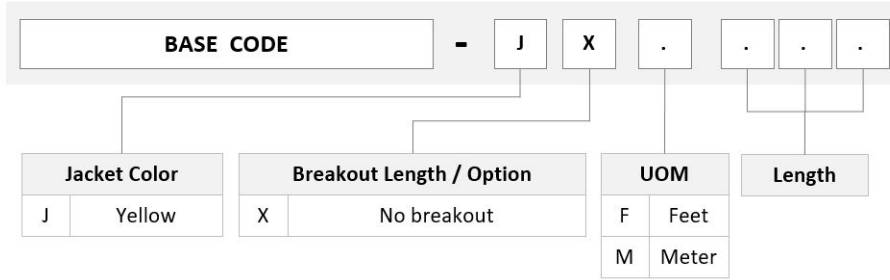
Color, boot A	Green
Color, connector A	Green
Color, boot B	Green
Color, connector B	Green
Interface, Connector A	LC/APC
Interface, Connector B	SC/APC
Jacket Color	Yellow
Polarity	Method B
Total Fibers, quantity	2

Dimensions

Cable Assembly Length Range (m)	1 – 999
Cable Assembly Length Range (ft)	1 – 999
Diameter Over Jacket	1.6 mm 0.063 in

Ordering Tree

FFWLASA42



Mechanical Specifications

Cable Retention Strength, maximum 11.24 lb @ 0 ° | 4.40 lb @ 90 °

Optical Specifications

Fiber Mode Singlemode

Fiber Type G.652.D | G.657.A1, 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
ANATEL	Compliant
CHINA-ROHS	Above maximum concentration value
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted



Included Products

460125784	-	TeraSPEED® SC APC Connector for 1.6 mm Fiber, Duplex, Singlemode, green
760021675 N-002-ZC-8W-F16YL/E	-	Fiber Indoor Cable, TeraSPEED® 1.6mm Low Smoke Zero Halogen Riser, 2-fiber Zipcord, Singlemode G.652.D and G.657.A1, Feet jacket marking, Yellow jacket color, Eca Flame Rating
860637444	-	TeraSPEED® LC/APC Connector for 1.6 mm Fiber, Singlemode, Green, Short Boot

TeraSPEED® SC APC Connector for 1.6 mm Fiber, Duplex, Singlemode, green

Product Classification

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

General Specifications

Body Style	Duplex
Color	Green
Ferrule Geometry	Angled
Interface	SC/APC

Dimensions

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

Material Specifications

Ferrule Material	Zirconia
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Mechanical Specifications

Cable Retention Strength, maximum	11.24 lb @ 0 °
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Optical Specifications

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
Insertion Loss Change, temperature	0.3 dB
Insertion Loss, typical	0.3 dB
Return Loss, minimum	65 dB

Packaging and Weights

460125784

Packaging quantity

2

Regulatory Compliance/Certifications

Agency

Classification

ISO 9001:2015

Designed, manufactured and/or distributed under this quality management system



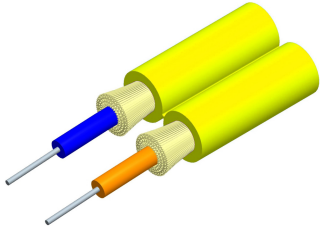
* Footnotes

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)



Fiber Indoor Cable, TeraSPEED® 1.6mm Low Smoke Zero Halogen Riser, 2-fiber Zipcord, Singlemode G.652.D and G.657.A1, Feet jacket marking, Yellow 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-ZC

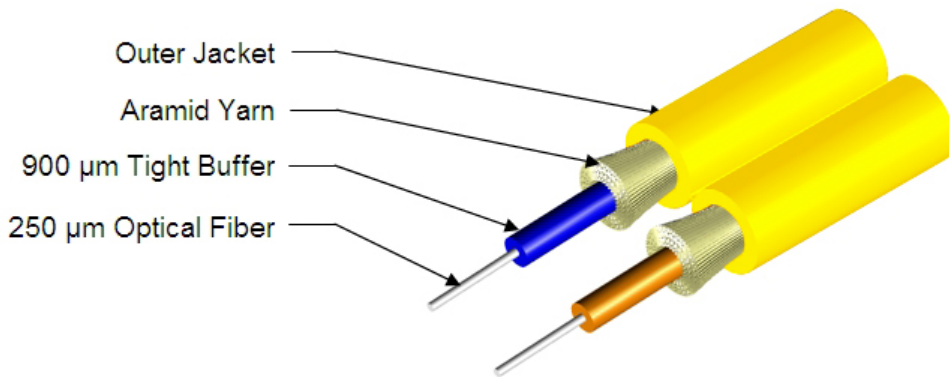
General Specifications

Cable Type	Cordage
Construction Type	Non-armored
Subunit Type	Gel-free
Jacket Color	Yellow
Jacket Marking	Feet
Total Fiber Count	2

Dimensions

Height Over Jacket	1.7 mm 0.067 in
Width Over Jacket	3.5 mm 0.138 in

Representative Image



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	53 N 11.915 lbf
Tensile Load, short term, maximum	178 N 40.016 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	G.652.D and G.657.A1, TeraSPEED®
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Environmental Specifications

Installation temperature	-20 °C to +60 °C (-4 °F to +140 °F)
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760021675 | N-002-ZC-8W-F16YL/E

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	6 kg/km 4.032 lb/kft
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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

860637444

TeraSPEED® LC/APC Connector for 1.6 mm Fiber, Singlemode, Green, Short Boot

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
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
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Mechanical Specifications

Cable Retention Strength, maximum	11.24 lb @ 0 °
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Optical Specifications

Fiber Type	G.652.D and G.657.A1, TeraSPEED® OS2
Optical Components Standard	ANSI/TIA-568-C.3 GR-326-CORE
Insertion Loss, ULL, maximum	0.25 dB
Return Loss, minimum	50 dB

Packaging and Weights

Packaging quantity	1
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Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value

860637444

ROHS Compliant

UK-ROHS Compliant

