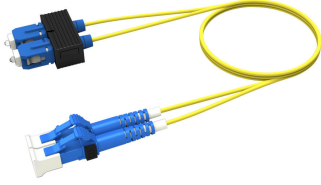# AFGLFSFM2

Base Product

Fiber Patch Cord, Singlemode G.657.A2, Grade B, LC/UPC to SC/UPC, Duplex, 1.6 mm LSZH jacket

Product Classification

Regional Availability	Asia | Australia/New Zealand | Europe | Latin America | Middle East /Africa | North America
Portfolio	CommScope®
Product Type	Fiber patch cord, duplex
Product Series	AFG

General Specifications

Connector A, quantity	2
Color, connector A	Blue
Connector B, quantity	2
Color, connector B	Blue
Interface, Connector A	LC/UPC
Interface, Connector B	SC/UPC
Total Fibers, quantity	2
Transmission Standards	IEC 61755

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

COMMSCOPE®

AFGLFSFM2

BASE CODE	-	J	X	.	.	.	.

Jacket Color		Breakout Length / Option		UOM		Length
J	Yellow	X	No breakout	F	Feet	
				M	Meter	
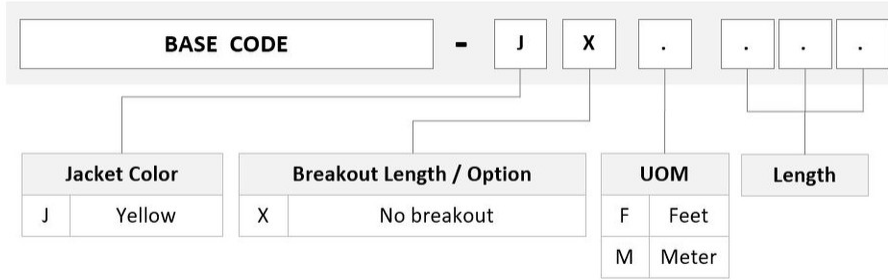
Mechanical Specifications

Minimum Bend Radius, loaded	50 mm | 1.969 in
Minimum Bend Radius, unloaded	30 mm | 1.181 in
Tensile Load, long term, maximum	66 N | 14.837 lbf
Tensile Load, short term, maximum	220 N | 49.458 lbf
Cable Crush Resistance, maximum	3.5 N/mm | 19.986 lb/in
Mating Durability, maximum	0.2 dB @ 500 cycles

Optical Specifications

Fiber Mode	Singlemode
Fiber Type	G.657.A2, TeraSPEED®
Performance Grade	IEC Random Mating Grade B
Insertion Loss, maximum, connector A	0.25 dB
Insertion Loss, maximum, connector B	0.25 dB
Return Loss, minimum, connector A	50 dB
Return Loss, minimum, connector B	50 dB

Environmental Specifications

Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Environmental Space	Dual Rated LSZH/Riser

Packaging and Weights

Packaging quantity	1

Regulatory Compliance/Certifications

COMMSCOPE®

AFGLFSFM2

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

Included Products

460159817	–	Fiber indoor cable, DX Low Smoke Zero Halogen YL G.657 .A2, 1 fiber, Singlemode G.657.A2, 1.6 mm diameter, Feet jacket marking, Yellow jacket color
860637435	–	LC/UPC Connector, Singlemode, Blue, Short Boot
860645409	–	TeraSPEED® SC/UPC Connector Kit, Duplex for 2.0 mm Fiber, Singlemode, Blue, Short Boot

* Footnotes

Performance Grade	Guarantee to meet IEC 61755-1 Random Mating requirement

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Fiber indoor cable, DX Low Smoke Zero Halogen YL G.657 .A2, 1 fiber, Singlemode G.657.A2, 1.6 mm diameter, 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	L-MP

General Specifications

Cable Type	Cordage
Inner Jacket Color	Yellow
Jacket Color	Yellow
Jacket Marking	Feet
Total Fiber Count	1

Dimensions

Diameter Over Jacket	1.6 mm	0.063 in

Optical Specifications

Fiber Type	G.657.A2	G.657.A2, TeraSPEED®

Environmental Specifications

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)
Environmental Space	Low Smoke Zero Halogen (LSZH)

Environmental Test Specifications

Heat Age	-20 °C to +85 °C (-4 °F to +185 °F)
Low High Bend	-20 °C to +70 °C (-4 °F to +158 °F)
Temperature Cycle	-20 °C to +70 °C (-4 °F to +158 °F)

Packaging and Weights

COMMSCOPE®

460159817

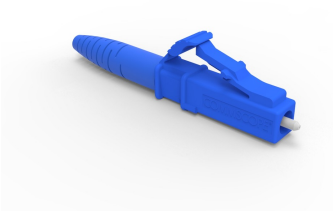| Cable weight	5.3 kg/km | 3.561 lb/kft

Regulatory Compliance/Certifications

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

* Footnotes

Operating Temperature	Specification applicable to non-terminated bulk fiber cable

COMMSCOPE®

860637435

LC/UPC Connector, Singlemode, Blue, Short Boot

Product Classification

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

General Specifications

Color, boot	Blue
Color, housing	Blue
Interface	LC/UPC

Dimensions

Length	41.6 mm	1.638 in

Material Specifications

Ferrule Material	Zirconia

Mechanical Specifications

Cable Retention Strength, maximum	11.24 lb @ 0 °

Optical Specifications

Fiber Mode	Singlemode
Insertion Loss Change, mating	0.2 dB
Optical Components Standard	ANSI/TIA-568. 3-D	IEC 61753-1
Insertion Loss Change, temperature	0.3 dB
Insertion Loss, maximum	0.25 dB
Return Loss, minimum	55 dB

Regulatory Compliance/Certifications

COMMSCOPE®

860637435

Agency	Classification
CHINA-ROHS	Below maximum concentration value
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)

COMMSCOPE®

860645409

TeraSPEED® SC/UPC Connector Kit, Duplex for 2.0 mm Fiber, Singlemode, Blue, 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

Body Style	Duplex
Color	Blue
Interface	SC/UPC

Dimensions

Length	50.3 mm | 1.98 in
Compatible Cable Diameter	2 mm | 0.079 in

Material Specifications

Ferrule Material	Zirconia

Mechanical Specifications

Cable Retention Strength, maximum	11.24 lb @ 0 °

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

Regulatory Compliance/Certifications

Agency	Classification

COMMSCOPE®

860645409

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

COMMSCOPE®