AFGSGSGL1
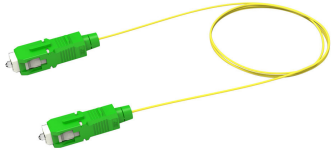
Base Product

Fiber Patch Cord, Singlemode G.657.A2, Grade B, SC/APC to SC/APC, Simplex, 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, simplex
Product Series	AFG

General Specifications

Connector A, quantity	1
Color, connector A	Green
Connector B, quantity	1
Color, connector B	Green
Interface, Connector A	SC/APC
Interface, Connector B	SC/APC
Total Fibers, quantity	1
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

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AFGSGSGL1

| BASE CODE | - | J | X | . | . | . | . |

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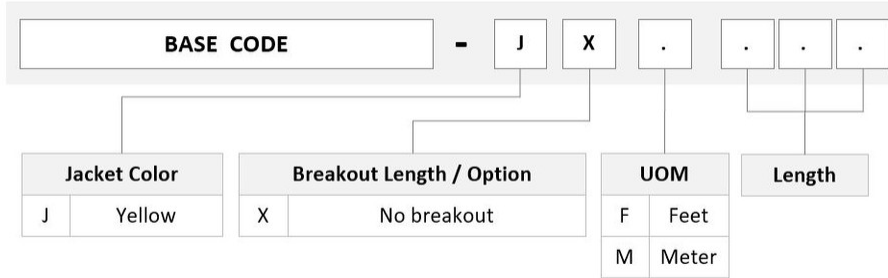
Mechanical Specifications

Minimum Bend Radius, loaded	50 mm | 1.969 in
Minimum Bend Radius, unloaded	30 mm | 1.181 in
Tensile Load, long term, maximum	33 N | 7.419 lbf
Tensile Load, short term, maximum	110 N | 24.729 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	65 dB
Return Loss, minimum, connector B	65 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

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AFGSGSGL1

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

Included Products

460159816	–	Fiber indoor cable, Low Smoke Zero Halogen YL G.657 .A2, 1 fiber, Singlemode G.657.A2, 1.6 mm diameter, Feet jacket marking, Yellow jacket color
860645408	–	TeraSPEED® SC/APC Connector Kit for 2.0 mm Fiber, Singlemode, Green, Short Boot

* Footnotes

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

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460159816

Fiber indoor cable, 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

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460159816

Cable weight	3.6 kg/km	2.419 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

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860645408

TeraSPEED® SC/APC Connector Kit for 2.0 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	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**
CHINA-ROHS	Below maximum concentration value

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860645408

REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

COMMSCOPE®