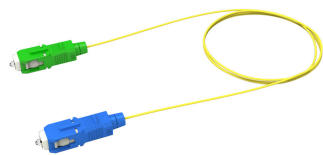


# AFGSFSGL1

Base Product



Fiber Patch Cord, Singlemode G.657.A2, Grade B, SC/UPC 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

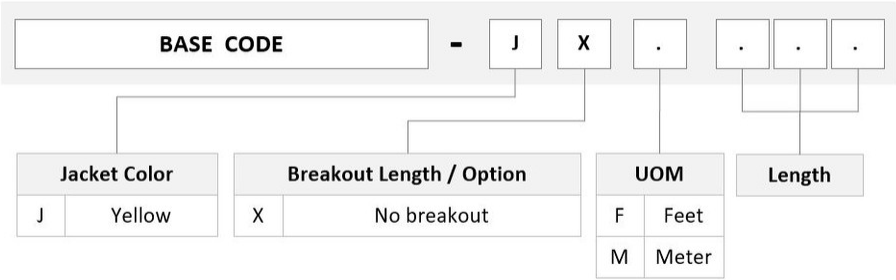
Connector A, quantity	1
Color, connector A	Blue
Connector B, quantity	1
Color, connector B	Green
Interface, Connector A	SC/UPC
Interface, Connector B	SC/APC
Total Fibers, quantity	1
Transmission Standards	IEC 61755

## 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

# AFGSFSGL1



## 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	50 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
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## Regulatory Compliance/Certifications

# AFGSFSGL1

Agency	Classification
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

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
860645407	–	TeraSPEED® SC/UPC Connector Kit for 2.0 mm Fiber, Singlemode, Blue, Short Boot
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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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
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Optical Specifications

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

**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 <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

TeraSPEED® SC/UPC Connector Kit 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

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
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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

860645407

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



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
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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



860645408

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

