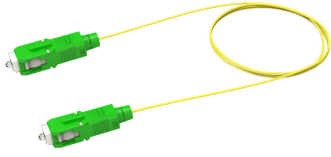


# AFGSGSGL1

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## Base Product



Fiber Patch Cord, Singlemode G.657.A2, Grade B, SC/APC to SC/APC, Simplex, 1.6 mm LSZH jacket

## 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 patch cord, simplex
<b>Product Series</b>	AFG

## General Specifications

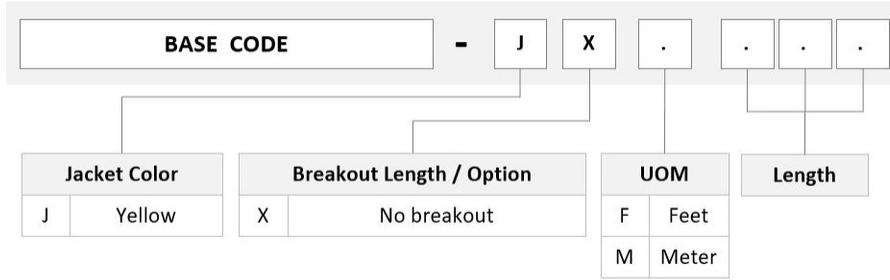
<b>Connector A, quantity</b>	1
<b>Color, connector A</b>	Green
<b>Connector B, quantity</b>	1
<b>Color, connector B</b>	Green
<b>Interface, Connector A</b>	SC/APC
<b>Interface, Connector B</b>	SC/APC
<b>Total Fibers, quantity</b>	1
<b>Transmission Standards</b>	IEC 61755

## Dimensions

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

## Ordering Tree

# AFGSGSGL1



## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	50 mm   1.969 in
<b>Minimum Bend Radius, unloaded</b>	30 mm   1.181 in
<b>Tensile Load, long term, maximum</b>	33 N   7.419 lbf
<b>Tensile Load, short term, maximum</b>	110 N   24.729 lbf
<b>Cable Crush Resistance, maximum</b>	3.5 N/mm   19.986 lb/in
<b>Mating Durability, maximum</b>	0.2 dB @ 500 cycles

## Optical Specifications

<b>Fiber Mode</b>	Singlemode
<b>Fiber Type</b>	G.657.A2, TeraSPEED®
<b>Performance Grade</b>	IEC Random Mating Grade B
<b>Insertion Loss, maximum, connector A</b>	0.25 dB
<b>Insertion Loss, maximum, connector B</b>	0.25 dB
<b>Return Loss, minimum, connector A</b>	65 dB
<b>Return Loss, minimum, connector B</b>	65 dB

## Environmental Specifications

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

## Packaging and Weights

<b>Packaging quantity</b>	1
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## Regulatory Compliance/Certifications

# AFGSGSGL1

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## Agency

CHINA-ROHS

ISO 9001:2015

ROHS

UK-ROHS



## Classification

Below maximum concentration value

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

Compliant

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
- 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