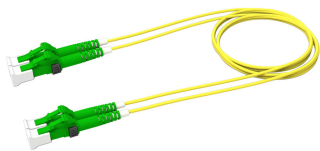


# AFGLGLGM2

Base Product



Fiber Patch Cord, Singlemode G.657.A2, Grade B, LC/APC to LC/APC, 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

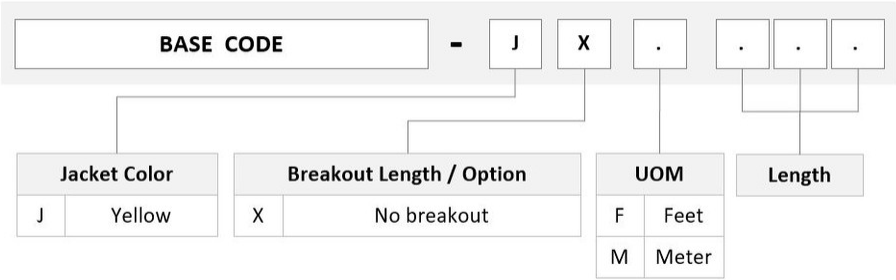
Connector A, quantity	2
Color, connector A	Green
Connector B, quantity	2
Color, connector B	Green
Interface, Connector A	LC/APC
Interface, Connector B	LC/APC
Total Fibers, quantity	2
Transmission Standards	IEC 61755

## 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

# AFGLGLGM2



## 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	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
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## Regulatory Compliance/Certifications

# AFGLGLGM2

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

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
860637445	–	LC/APC Connector, Singlemode, Green

## \* 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
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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** 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 <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

LC/APC Connector, Singlemode, Green



Product Classification

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

General Specifications

Color, boot	Green
Color, housing	Green
Interface	LC/APC

Dimensions

Length	41.6 mm   1.638 in
Compatible Cable Diameter	1.6 mm   0.063 in   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 Mode	Singlemode
Insertion Loss Change, mating	0.2 dB
Optical Components Standard	ANSI/TIA-568. 3-D   IEC 61753-1
Insertion Loss Change, temperature	0.2 dB
Insertion Loss, ULL, maximum	0.34 dB
Return Loss, minimum	65 dB

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

<b>Insertion Loss Change, mating</b>	TIA-568: Maximum insertion loss change after 500 matings
<b>Insertion Loss Change, temperature</b>	Maximum insertion loss change from -10 °C to +60 °C (+14 °F to +140 °F)