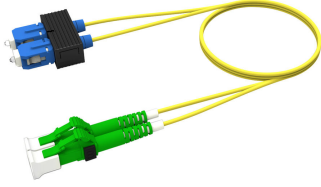# AFGLGSFM2

Base Product

Fiber Patch Cord, Singlemode G.657.A2, Grade B, LC/APC 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	Green
Connector B, quantity	2
Color, connector B	Blue
Interface, Connector A	LC/APC
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®

AFGLGSFM2

BASE CODE	-	J	X	.	.	.	.

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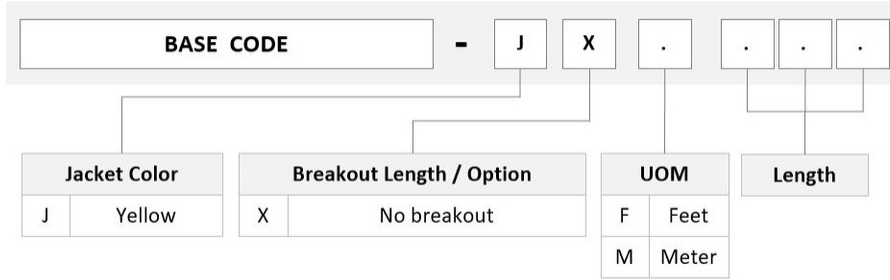
Mechanical Specifications

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	65 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®

AFGLGSFM2

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

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
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

COMMSCOPE®