

Basic Fiber Optic Pigtail Kit, LSZH, 900 μ m LC UPC Simplex, Single-mode (OS2), 2 m

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Part Number:
FK12-000201G1Z09AA002M

Pigtails are used for non-permanent connections in patch panels, transmission equipment etc. Factory assembled pigtails allow for high quality termination of a network.

Features and Benefits

Global operations

Worldwide manufacturing facilities and end-to-end vertical integration across the entire process ensure reliable supply and mitigate trade barriers or supply

Flexible design options

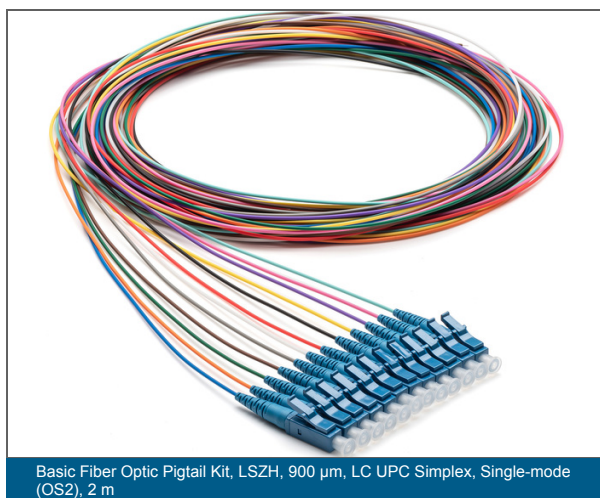
Choice of materials for strength elements and fiber properties for various application requirements

Superior Performance Testing

Every termination is tested to ensure the highest in network performance

State-of-the-art manufacturing processes

Advanced technology results in unsurpassed product consistency and quality



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Specifications

General Specifications

Flame Rating	LSZH/FRNC
Fiber Category	Single-mode (OS2)
Cable Assembly Type	Pigtail
Environment	Indoor
Application	Fiber to the Premises, In-Building Network (IBN), Local Area Network (LAN), Central Office
Cable Type	Tight-Buffered
Packaging	Box

Standards

Fiber Standards	ITU-T G.652.D and ITU-T G.657.A1
Reaction to Fire	Eca
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Intermateability	IEC 61754

Environmental Conditions

Temperature Range, Installation	-5 °C to 50 °C (23 °F to 122 °F)
Temperature Range, Operation	-10 °C to 60 °C (14 °F to 140 °F)

Design

Fiber Count	1
Outer Jacket Material	LSZH/FRNC
Outer Jacket Color	Yellow
Polarity	Straight-Through, TIA-568 Type-A
Fiber Type	Single-mode
Fibers per Port	1

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Mechanical Specifications

Strip Length	1500 mm
Tensile Strength	5 N
Nominal Outer Diameter	900 µm
Min. Bend Radius Installation	15 mm
Min. Bend Radius Operation	7.5 mm

Optical Characteristics

Fiber Code	Z
Performance Option Code	25
Fiber Category	OS2
Fiber Type	Single-mode (OS2) / 250 µm
Fiber Name	Bend-Improved Single-mode (OS2)
Maximum Attenuation	0.38 dB/km / 0.38 dB/km / 0.25 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Compliance	ITU-T G.652.D and ITU-T G.657.A1
Fiber Core Diameter	8.2 µm
Cladding diameter	125 µm
Coating diameter	242 µm
Dispersion @ 1550 nm	≤ 18 [ps/(nm*km)]
Dispersion @ 1625 nm	≤ 22 [ps/(nm*km)]
Cable cutoff wavelength	1260 nm
Mode-Field Diameter at 1310 nm	9.2 µm
Mode-Field Diameter at 1550 nm	10.4 µm
PMD Link Design Value	≤ 0.04 ps/√km
PMD maximum individual fiber	≤ 0.1 ps/√km

Specifications - Connector A

Tensile Strength Jacketed Cable	50 N
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Specifications - Connector A

Durability	≤ 0.2 dB change, 1000 rematings, FOTP-21
Connector Type	No connector
Boot Type	Simplex

Specifications - Connector B

Polish	UPC
Insertion Loss, Max.	0.25 dB
Tensile Strength Jacketed Cable	50 N
Durability	≤ 0.2 dB change, 500 rematings, FOTP-21
Boot Color	Blue
Connector Type	LC UPC simplex
Ferrule Material	Ceramic
Housing Color	Blue
Housing Material	Composite
Boot Type	Simplex
Reflectance	≤ -45 dB

Dimensions

Length	2 m
Weight	32 g

Ordering Information

Product Number	FK12-000201G1Z09AA002M
Packaging Method	Box
Shipping Height	190 mm
Shipping Width	250 mm
Shipping Depth	380 mm
Units per Delivery	1/1

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