

# Fiber Pigtails

## Singlemode LSOH Pigtails

Infinique's Fiber Pigtails are pre-polished in the factory and have been designed for high performance. Fitted on one side with Ultra Polish Connectors or Angled Polished Connectors, the connector housing and shutters fully protect the ferrule against dust, dirt and scratching. Each pigtail passes the stringent 400x visual inspection and are tested for insertion and return loss before being individually packed with the test report.

### Product Features

- Locking type latched Push-Pull
- Factory terminated and 100% tested for insertion loss
- Singlemode SM E9/125 G.652.D
- E2000, SC, LC, ST, FC, MU, MTRJ Connectors
- Ultra Polish or Angled Polished Connectors
- Bend Insensitive Fiber G,657A/B (Option)
- PBT Housing, UL 94 V-0
- ROHS Compliant



SC PC Singlemode Pigtail



LC PC Singlemode Pigtail



ST PC Singlemode Pigtail



FC PC Singlemode Pigtail



SC APC Singlemode Pigtail



LC APC Singlemode Pigtail



FC APC Singlemode Pigtail



MTRJ Singlemode Pigtail

### GENERAL SPECIFICATIONS

Environment	Indoor
Applications	10Gb Applications
Patch Cord Type	Singlemode

### OPTICAL SPECIFICATIONS

Protection Class (IP) Connector (A)	20
Polishing Connector (A)	PC / APC 8°
Insertion Loss (IL)	0.10 dB Typical, 0.15 dB Max
Return Loss (RL)	55 dB ~ 65 dB
End Face Geometry	IEC 61755-3-1/2 97% Conformance
Ferrule OD (mm)	2.4990±0.0005
Mating Cycles	Delta IL < 0.2 dB after 500 mating cycles
Patch Cord Pull-out Force	80N

### STANDARDS

Support network transmission speeds up to 10 Gb/s for link lengths up to 300 meters with an 850nm source per IEEE 802.3ae 10 GbE standard  
 Pass all TIA/EIA-568-B.3 performance requirements  
 Insertion loss per connection 0.10dB typical and 0.15dB maximum

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### MATERIAL SPECIFICATIONS

Connector Housing	PBT / UL 94 V-0
Strain Relief	UL 94 V-0 and plastic dust cover
Cable Jacket	LSOH
Cable Jacket Characteristics	Metal-free; Zero-halogen
Cable Color	Yellow
Fiber Type	G.652.D Singlemode
Fiber Diameter	E9/125 $\mu$ m
Cable Overall Diameter	$\varnothing$ .9 mm
Conductor Type	Semi-tight Buffer
Operating Temperature	-40°C~+85°C

### ORDERING INFORMATION

Part Number	Description	Connector A	Length (Meters)
IFPTSMSC1	Infinique Fiber SC PC Singlemode Pigtail 0.9mm LSOH 1M	SC PC	1
IFPTSMLC1	Infinique Fiber LC PC Singlemode Pigtail 0.9mm LSOH 1M	LC PC	1
IFPTSMST1	Infinique Fiber ST PC Singlemode Pigtail 0.9mm LSOH 1M	ST PC	1
IFPTSMFC1	Infinique Fiber FC PC Singlemode Pigtail 0.9mm LSOH 1M	FC PC	1
IFPTSM E21	Infinique Fiber E2000 PC Singlemode Pigtail 0.9mm LSOH 1M	E2000 PC	1
IFPTSMRJ1	Infinique Fiber MTRJ PC Singlemode Pigtail 0.9mm LSOH 1M	MTRJ PC	1
IFPTSMMU1	Infinique Fiber MU PC Singlemode Pigtail 0.9mm LSOH 1M	MU PC	1
IFAPSMSC1	Infinique Fiber SC APC Singlemode Pigtail 0.9mm LSOH 1M	SC APC	1
IFAPSMLC1	Infinique Fiber LC APC Singlemode Pigtail 0.9mm LSOH 1M	LC APC	1
IFAPSMST1	Infinique Fiber ST APC Singlemode Pigtail 0.9mm LSOH 1M	ST APC	1
IFAPSMFC1	Infinique Fiber FC APC Singlemode Pigtail 0.9mm LSOH 1M	FC APC	1
IFAPSM E21	Infinique Fiber E2000 APC Singlemode Pigtail 0.9mm LSOH 1M	E2000 APC	1
IFAPSMRJ1	Infinique Fiber MTRJ APC Singlemode Pigtail 0.9mm LSOH 1M	MTRJ APC	1
IFAPSMMU1	Infinique Fiber MU APC Singlemode Pigtail 0.9mm LSOH 1M	MU APC	1

Pigtails are packaged individually along with the test report. Custom Length available on request.

Infinique's Extended Product Warranty provides a 25-year product and applications assurance of compliance with the industry performance standards appropriate to the class of cabling installed. This is a link performance warranty, covering patch panel to outlet and may be applied for by an Authorized Infinique's Channel Partner who has designed, supplied and installed the system.



Infinique, a Canadian company is a manufacturer of high performance end-to-end solutions in copper, fiber and video surveillance systems. For more information visit our website at [www.infinique.com](http://www.infinique.com) or email us at [sales@infinique.com](mailto:sales@infinique.com).

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Product specification, design and availability subject to change without prior notice.

Infinique Fiber Systems

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