

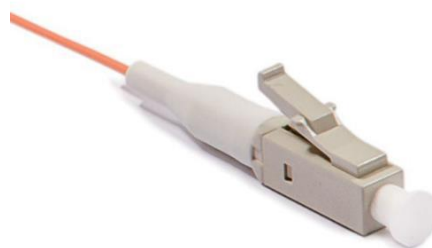


## LC OM2 Fiber Optic Pigtail

Avalon LC OM2 fiber pigtails are premium grade connectors with a typical 0.9mm and 0.2mm outer diameter cables in simplex construction. It features the RJ-45 style interface with low insertion loss and low back reflection with a high precision alignment. The connector has a 1.25mm O.D Zirconia ceramic ferrule.

### Features

- Low Smoke Zero Halogen (LSZH) buffer
- 900 micron buffer
- Low bend loss design
- Fully compatible with legacy fibers
- Economical bend loss performance
- Optical attenuation that is flat across the C & L-Bands
- Complied the standards of ITU-T G.652.D  
ITU-T G.657.A



### Applications

- Telecommunication Networks
- CATV Networks
- Active Device Termination
- LAN
- Data System Networks

### Specification

Characteristics		Conditions	Value
Insertion Loss Return Loss		Against Reference Connector	< 0.2 dB
		SPC	> 40 dB
		UPC	> 50 dB
		APC	> 60 dB
Durability		1000 Matings	< 0.2 dB
Temperature Cycling		—40 — +80 degrees Celsius (42 Cycles)	< 0.2 dB
Humidity Cycling		75 degrees Celsius, 95%/336hr	< 0.2 dB
Vibration		10 — 55 HZ ( 2 hours)	< 0.2 dB
Flex Test		0 to 90 degrees to 0 to 90, 5kgf (100 cycles)	< 0.2 dB
Twist Test		0.9mm :0.75kgf, 2.0mm:1.53 kg	< 0.2 dB
Straight Pull Test		100 N Load	< 0.2 dB
Impact		1,5m drop, 8 times	< 0.2 dB
Items		Units	Specification
Attenuation	1310 nm	dB/km	<0.50
	1490 nm		<1310 nm measured value
	1550 nm		< 0.50
Chromatic Dispersion	1285 - 1330 nm	ps/nm.km	< 3.5
	1550 nm		< 18

### Ordering information

Part Number*	Description
AN-OPC-OM2-LC-X.X-Y.Y	Pigtails OM2 LC Multimode Pigtail

\* Replace "X.X" with 1.5 or 2.5 meters etc length

\* Replace "Y.Y" with 0.2 or 0.9 mm thickness