



FC OM1 Fiber Optic Pigtail

Avalon FC fiber optic OM1 pigtail comes with a Zirconia ceramic ferrule. The FC connector has a low back reflection and optical loss while ensuring maximum repeatability.

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-OM1-FC- X.X - Y.Y	Pigtails FC OM1 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