



## ST OM1 Fiber Optic Pigtail

Avalon ST OM1 fiber optic pigtails are made of premium grade connectors with typical 0,9mm and 0.2mm outer diameter cables of simplex construction. It is a one piece full proof construction and good design. ST type is a low cost high performance Pigtail.

### 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-ST-X.X-Y.Y	Pigtails ST 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