



ST UPC Fiber Optic Pigtail

Avalon ST fiber optic pigtail has a typical 0.9mm and 0.2mm outer diameter cable. It has a metal outer body and a long spring loaded ferrule that holds the optical fiber. ST Cable is 9/125 single mode. It is one of the older generations of connector, but it is still widely used in fiber optic communications.

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	dB/km	1310 nm	<0.50
		1490 nm	<1310 nm measured value
		1550 nm	< 0.50
Chromatic Dispersion	ps/nm.km	1285 - 1330 nm	< 3.5
		1550 nm	< 18

Ordering information

Part Number *	Description
AN-OPC-G652-ST/UPC- X.X - Y.Y	Pigtails ST/UPC Singlemode Pigtail

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

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