



SC UPC Fiber Optic Patch Cords

Avalon SC fiber optic patch cord is ideal for a wide range of applications where back reflection must be kept to a minimum. The connector has a UPC or "Ultra Physical Contact" polish on the fiber optic connector end faces. They come with different connector combinations in single mode and multi-mode SC optic fiber patch cables such as SC-LC, SC-ST, SC-FC, SC-MU, SC-MT-RJ, SC-E2000, etc types custom design SC fiber optic cable assemblies, 9/125 (G.657A, G.657B, G.655, G.652D), 50/125, 62.5/125, SM, MM, simplex and duplex.

Features

- Compliant with TELCODIA GR-326-Core
- Compliant with JIS C-5973, IEC, TIA/EIA 568-B.3
- Optical performance 100% factory tested Minimum loss

Applications

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

Ordering information

Multi-mode Fiber Patch Cords

Part Number	Description
SC Patch Cords	
AN-PCXXSCFCMXXX	SC-LC Multimode Fiber Patch Cord
AN-PCXXSCSTMXXX	SC-ST Multimode Fiber Patch Cord
AN-PCXXSCFCMXXX	SC-FC Multimode Fiber Patch Cord
AN-PCXXSCMJMXXX	SC-MTRJ Multimode Fiber Patch Cord
AN-PCXXSCSCMXXX	SC-SC Multimode Fiber Patch Cord

* Replace PCXX with PC62 for 62.5/125, PC50 for 50/125, MXXX with 001,002,003 meters.



Single Mode Fiber Patch Cords

Part Number	Description
SC Fiber Patch Cord	
AN-PCO9SCLCSXXX	SC-LC Singlemode Fiber Patch Cord
AN-PCO9SCSTSXXX	SC-ST Singlemode Fiber Patch Cord
AN-PCO9SCFCSXXX	SC-FC Singlemode Fiber Patch Cord
AN-PCO9SCMJSXXX	SC-MTRJ Singlemode Fiber Patch Cord
AN-PCO9SCSCSXXX	SC-SC Singlemode Fiber Patch Cord

* Replace SXXX with 001, 002, 003, 005, 010 meters, 015 meters etc.