



## FC UPC Fiber Optic Patch Cords

Avalon FC fiber optic patch cord is available in both single-mode and multimode versions, and is fully inter-mateable with NTT-FC products. Both single-mode and multimode versions FC fiber patch come with a Zirconia ceramic ferrule with pre-polished PC profile and convex spherical end. These end face types allow for faster polishing and low back reflection and optical loss, while ensuring maximum repeatability. Avalon Patch Cords come with different connector combinations such as FC-FC, FC-LC, FC-SC, FC-ST, FC-MTRJ, FC-MU, and FC-E2000 in different lengths

### 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
<b>FC Patch Cords</b>	
AN-PCXXFCFCMXXX	FC-LC Multimode Fiber Patch Cord
AN-PCXXFCSTMXXX	FC-ST Multimode Fiber Patch Cord
AN-PCXXFCFCMXXX	FC-FC Multimode Fiber Patch Cord
AN-PCXXLCMJMXXX	FC-MTRJ Multimode Fiber Patch Cord
AN-PCXXFCSCMXXX	FC-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
<b>FC Fiber Patch Cord</b>	
AN-PCO9FCLCSXXX	FC-LC Singlemode Fiber Patch Cord
AN-PCO9FCSTSXXX	FC-ST Singlemode Fiber Patch Cord
AN-PCO9FCFCSXXX	FC-FC Singlemode Fiber Patch Cord
AN-PCO9FCMJSXXX	FC-MTRJ Singlemode Fiber Patch Cord
AN-PCO9FCSCSXXX	FC-SC Singlemode Fiber Patch Cord

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