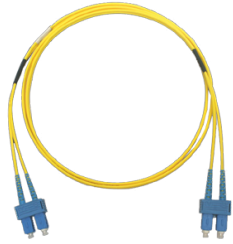


High Performance Patch Cords



High performance patch cords are a range of “best in class” single mode patch cords employing highest grade components, manufacturing processes and test methods that offer excellent performance for demanding telecommunications and data center applications. High performance patch cords are used where low loss budgets are essential and may be considered for splice replacement.

FEATURES/BENEFITS

- Conform to IEC, EIA-TIA, or Telcordia performance requirements
- Special dimension tolerance provided by G.652D photonic fiber
- Available in patch cords with 2 mm or 3 mm diameter cable with LSZH jacket
- Available in pigtails with 900 μ m buffer
- RoHS, REACH & SvHC materials compliant

APPLICATIONS

- Data center
- Telecommunication networks
- CATV
- LAN and WAN
- FTTX
- Broadband network

SPECIFICATIONS

Technical Specification

OPTICAL PERFORMANCE	SINGLE MODE	CONFORMANCE
IL MAX/ Master (Acceptance)	0.10 dB	IEC 61300-3-4
IL/Random (97%)	0.20 dB	IEC 61300-3-34
Ave/Master*	0.08 dB	IEC 61300-3-4
Ave/Random*	0.08 dB	IEC 61300-3-34
Return Loss	55/65 dB	IEC 61300-3-6

MECHANICAL PROPERTIES	CRITERIA*	CONFORMANCE
Mechanical endurance	500 matings	IEC 61300-2-2
Vibration	10-55 Hz, 0.75 amplitude	IEC 61300-2-1
Drop	Drop height 1 m, 5 drops	IEC 61300-2-12
Cable retention**	50 N	IEC 61300-2-4
Cable torsion**	1.5 kg-2.5 kg for 2 mm-3 mm cable diameter	IEC 61300-2-5

* The change in attenuation for all the above listed criteria shall be a maximum of 0.10dB** Subject to cable design

Cable Specification

CHARACTERISTICS	UNITS	SIMPLEX
Cable Material		LSZH
Strength Member		Aramid
Crush	N	1000
Operating Temperature	°C	-20 to 60
Secondary Buffer Diameter (2.0mm, 2.4mm and 3.0mm)	µm	900 ± 50
Secondary Buffer Diameter (1.6mm and 1.8mm)	µm	600 ± 50
Colour		Yellow

Fiber Specification

CHARACTERISTICS	UNITS	SINGLE MODE
Cladding Diameter	µm	125 ± 0.3
Core/Cladding Concentricity Error	µm	≤0.3
Cladding Non Circularity	%	≤0.7
Polarization Mode Dispersion (PMD)	Ps/(km) ^{1/2}	≤0.06
Mode Field Diameter (mfd) @ 1310 nm	µm	9.2 ± 0.4
Mode Field Diameter (mfd) @ 1550 nm	µm	10.4 ± 0.5

ORDERING INFORMATION

Connector End A		Connector End B		Fiber Type	Cable Configuration		Cable Colour		Cable Length		
FC	FC	FC	FC	SMP Photonic grade single mode fiber	S	Simplex	YE	Yellow	1	1 meter	-HP
FCA	FC APC	FCA	FC APC		D	Duplex			2	2 meter	
SC	SC	SC	SC						3	3 meter	
SCA	SC APC	SCA	SC APC						5	5 meter	
ST	ST	ST	ST						10	10 meter	
LC	LC	LC	LC						XX	Specify	
LCA	LC APC	LCA	LC APC								

Example Part Number

FC	SC	SMP	S	YE	3	HP
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This part number has created a 3 meter simplex FC to SC OS1/OS2 high performance patch cord in yellow. For high performance pigtailed with 900 µm buffer please contact your sales representative.



SCAN QR FOR PRODUCT PAGE

FURTHER INFORMATION

- For additional information please contact your sales representative
- To view the product 360 visit the product page (Scan the QR code or visit the link below)
- Downloaded from <https://www.aflhyperscale.com/product/high-performance-patch-cords>
- AFL Hyperscale reserves the right to make changes in this datasheet at any time without notice
- Information in this document is correct as of November 21, 2018

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