



SC/APC to SC/APC PATCH CORD, SIMPLEX FLAT DROP CABLE

1. APPLICATION

This specification covers the general requirements for fiber optic patch cord, The cables are high grade simplex cable available LSZH. The patch cords are low insertion loss and high return loss. Good in repeatability and exchangeability. The patch cord shall be factory assembled with high quality control and 100% test Provide label for easily to identify. The patch cord shall be available length in 3, 5, and 10 meters or other.

LINK fiber optic patch cord support application such as 25/40/50/100/200/400Gbps Ethernet, IEEE802.3ae 10G Ethernet, IEEE802.3z Gigabit Ethernet, IEEE802.3u Fast Ethernet, 52/155/622Mbps , 1.2Gbps ATM, FDDI, Fiber channel, FTTx, CATV, CCTV and others.

LINK fiber optic patch cord in accordance with

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|---------------------------|-----------------------------|
| ANSI/TIA-568.3-D | ISO/IEC 11801:2017 |
| ANSI/TIA-568-C.3 | ISO/IEC 11801:2011 (Ed.2.2) |
| FOTP EIA/TIA-455 | IEC 60793, IEC 60794 |
| ITU-T G.657A (Singlemode) | IEC 61300-2, IEC 61300-3 |
| IEC 60332-1 | FR-LSZH |
| RoHS Compliant | |

2. ORDER INFORMATION

SC/APC to SC/APC PATCH CORD, SIMPLEX FLAT DROP CABLE

LINK P/N	Description	Length (m)	Packing
UFH966SFS2-03	SC/APC to SC/APC Patch Cord, Simplex Flat Drop Cable SM, G.657A	3	1 Pc / Bag

3. OPTICAL FIBER

Items		Specifications
Fiber Type		G657A
Max. Attenuation	1310 nm	≤ 0.38 dB/km
	1383 nm	≤ 0.35 dB/km
	1490 nm	≤ 0.30 dB/km
	1550 nm	≤ 0.28 dB/km
	1625 nm	≤ 0.30 dB/km
Core	Mode Field Diameter	8.6 ± 0.4 μm @ 1310 nm
Cladding Diameter		125 ± 1 μm
Coating Diameter, Primary		242 ± 5 μm
Coating Diameter, Secondary		250 ± 5 μm
Cladding Non-circularity		≤ 0.1 %
Core/Cladding Concentricity error		≤ 0.5 μm
Coating/Cladding Concentricity error		≤ 12 μm
Zero Dispersion Wavelength		1300 ~ 1324 nm
Zero Dispersion Slope		≤ 0.092 ps/(nm ² .km)
Cut-off Wavelength	λ _o (Fiber)	1150 ~ 1330 nm
	λ _∞ (Cable)	≤ 1260nm
Proof Test Stress		100 Kpsi
Chromatic Dispersion	λ ; 1285~1340nm	≤ 3.5 ps/nm.km
	λ = 1550nm	≤ 18 ps/nm.km
	λ = 1625nm	≤ 22 ps/nm.km
Macro bend Attenuation 10 turns - 15 mm. Radius		≤ 0.25 dB at 1550 nm.

Table 1 The Optical, Geometrical Performance of the Singlemode Fiber (The specification conforms to the requirement of ISO/IEC11801, ANSI/TIA-568-C.3, IEC 60793-2B1.3, G.657A)

4. PATCH CORD CONSTRUCTIONS AND MECHANICAL

The construction of the patch cord shall be in accordance with Table 3 below.

Items	Specifications
Ferrule	Zirconia ceramic, Pre-radiused
Boot	Thermoplastic, UL 94V-0,
SC Housing	PBT, Thermoplastic, UL 94V-0
Jacket	FR LSZH
Cable Diameter(Approx.)	Flat Cable: 1.95~2.7 X 2.5~3.0 mm.
Strength Member	Metallic
Pulling Force	80 N
Minimum Bending Radius	30 mm.

Table 3 Construction and Mechanical of fiber optic patch cord.

5. PERFORMANCE

Items		SINGLEMODE (G.557A)
Insertion Loss	Typ.	≤ 0.15 dB
	Max.	≤ 0.30 dB
Return Loss	APC	≥ 60 dB

6. TEMPERATURE RANGE

- Operation Temperature : -40°C to 85°C
- Storage/Shipping Temperature : -40°C to 85°C