

TECHNICAL DATA SHEET
FOR
OPTICAL FIBER
PATCH CORD/PIGTAILS
(SINGLE-MODE/MULTI-MODE)



مصنع أمواج الاتصالات
AMWAJ TELECOMMUNICATION FACTORY



ISO 9001 : QMS Certified



**PO Box 325934 Riyadh
11371**

Kingdom of Saudi Arabia

**Tel: +966 11 4004718 /
4009204, Fax: +966 11
4008027**

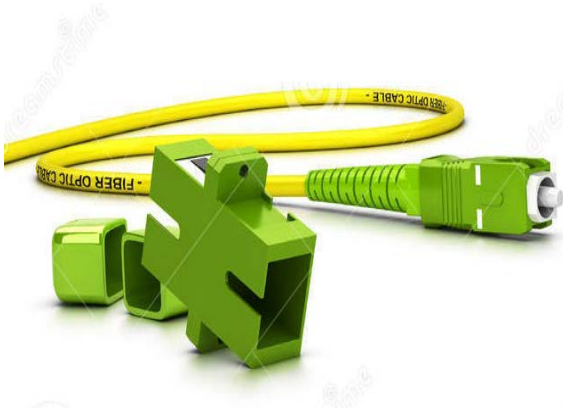
Website:

www.amwajfactory.com

E-mail:

**sales@amwajfactory.com
info@amwajfactory.com**

OPTICAL FIBER PATCH CORDS & PIGTAILS (SINGLE MODE/MULTIMODE)



Fiber optic Patch cords & Pigtails interconnects and cross-connect s of applications in entrance facilities. Telecommunication rooms, data centers etc. . . .

Supports network applications to inter-connect pre-terminated cassettes in main distribution, horizontal distribution and equipment distribution areas.

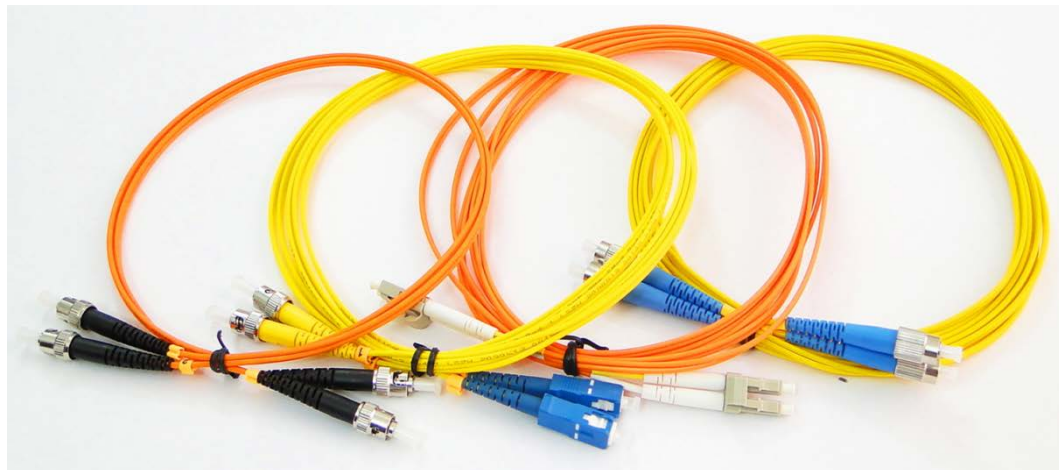
LSZH flame Retardant rated patch cords & pigtails supports installations that require this flame rating in specific environments.

Description:

- Extra high precision ceramic ferrule with small concentricity error.
- Connector End Face Geometry parameters such as Apex offset , fiber Height , radius of curvature is tested by Digitally automated Interferometry and complies to IEC Standard.
- Durability , Damp proofing , resistance to coupling stress , high pull tension and adaptation to different harsh environment such as dampness , extreme temperature , Impact and Vibrations is in accordance to EIA/TIA and IEC Standard.
- Environmentally stable meeting TIA/EIA 568 requirements.
- Different fiber connectors for selection
- Connector Types : FC / SC / LC / ST
- Jacket Rating : UL OFNR Riser (Low Smoke Zero Halogen Flame Retardant)
- Jacket color: Yellow for Single mode and Orange/Aqua for Multimode cables.
- Superior Polishing offered in PC / UPC /APC.
- Used for Ethernet, FDDI, Fiber optic system, Video transmission, CATV and Cable TV etc.

Recommended Application:

- Telecom Rooms
- Data Centers
- Telecom Networks
- FTTx Networks



Office No. 110, Exit 18, New Al-Kharj Road, Al-Manakh Industrial Area, PO Box 325934 Riyadh 11371, Saudi Arabia

Tel: +966 11 4009204 | Fax: +966 11 4008027 | Email: info@amwajfactory.com

Specifications:

- Designed and Complies with Telcordia Specifications GR 326 core.
- UL Approved (Complies to UL 2410)
- Latest Fiber options available - SM G652-D , G655, G656 , MM OM1 /OM2 /OM3 and OM4
- 3 - D Inspection of Polished Connector, by Digitally Automated Interferometry
- Available in different connector options - SC / FC/LC/ ST / MU
- Available in different polishing options - PC / UPC / APC.

Technical Parameters:

- Diameter of the cordage: 1.6 mm / 2 mm / 3 mm
- Minimum Bending Radius: 30 mm
- Operating Temperature: - 10° C to + 75° C
- Storage Temperature: - 10° C to + 75° C
- Minimum Insertion Life cycles: 500 Times
- Interchangeability: 0.2 dB
- Repeatability (Insertion 500 times): 0.2 dB



Optical Characteristics

Single Mode Patch Cords/Pigtails

Type	Connector End Face Conditions								
	" PC Polished "			" UPC Polished "			" APC Polished "		
	IL (Typical) dB	IL (Max) dB	RL (Min) dB	IL (Typical) dB	IL (Max) dB	RL (Min) dB	IL (Typical) dB	IL (Max) dB	RL (Min) dB
FC	0.25	0.45	45	0.20	0.30	50	0.25	0.40	60
SC	0.25	0.45	45	0.20	0.30	50	0.25	0.40	60
LC	0.25	0.45	45	0.20	0.30	50	0.25	0.40	60
ST	0.25	0.45	45	0.20	0.30	50	0.25	0.40	60

Multi-Mode Patch Cords/Pigtails

Type	Connector End Face Conditions		
	" PC/ UPC Polished "		
	IL (Typical) dB	IL (Max) dB	RL (Min) dB
FC	0.25	0.45	20
SC	0.25	0.45	20
LC	0.25	0.45	20
ST	0.25	0.45	20

Office No. 110, Exit 18, New Al-Kharj Road, Al-Manakh Industrial Area, PO Box 325934 Riyadh 11371, Saudi Arabia

Tel: +966 11 4009204 | Fax: +966 11 4008027 | Email: info@amwajfactory.com