



AMWAJ TELECOMMUNICATION MANUFACTURING COMPANY

P. O Box -325934, Riyadh 11371 . SAUDI ARABIA

FIBER OPTIC PATCH CABLES



Cable Design Features:

- Choice of Optical Fiber – SM ITU-T (G 652-D/ G656/ G657A) / MM (OM1/OM2/OM3/OM4)
- Tight Buffer 0.9 mm.
- Agamid Yarn as strength member.
- Choice of outer Jacket LSZH / Flame retardant jacket.
- Outer diameter : 4.5 mm (1F) 7 mm (2F/4F)
- Different fiber connectors for selection
- Connector Types : FC / SC / LC / ST
- Jacket color: Blue / Yellow for Single mode and Aqua / Orange for Multimode cables.
- Superior Polishing offered in PC / UPC /APC.

Main Applications :

As building to building connecting cables.

As indoor cables along the wall ceiling and between layers and in ducts.



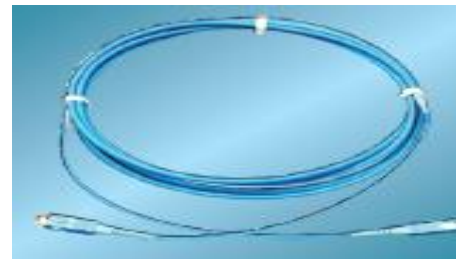


Fiber Specification:

Fiber Capacity	: 1F / 2 F / 4F
Type of Fiber	: SM G652-D / G656/ G657-A ,
Cable Attenuation@ 1310 nm (SM)	: ≤ 0.35 dB /Km (for un-connectorised cable) SM Fiber
Cable Attenuation@ 1550 nm (SM)	: ≤ 0.23 dB /Km (for un-connectorised cable) SM Fiber
Type of Fiber	: MM (OM1 /OM2/OM3/OM4)
Cable Attenuation@ 850 nm (MM)	: ≤ 0.35 dB /Km (for un-connectorised cable) MM Fiber
Cable Attenuation@ 1300 nm (MM)	: ≤ 0.23 dB /Km (for un-connectorised cable) MM Fiber
Typical Insertion Loss (Connectorised cable)	: ≤ 0.30 dB Typical : 0.15 ~ 0.20 dB (SM &MM Fibers)
Typical Return Loss (Connectorised cable)	: ≥ 50 dB (PC) 55 dB (UPC) 60 dB (APC) (SM Fiber only)
Operating Temperature	: - 10° C to + 75 °C

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



Mechanical Parameters:

Maximum Outer diameter : 8 mm
Long time tensile strength (Max) : 200 N
Short time tensile strength (Max) : 400 N
Long time bend radius : 10 x D (outer dia of cable)
Short time bend radius : 20 x D (outer dia of cable)

