Fibre Optic Patch Leads

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Apollo Technology Pty Ltd fibre optic patch leads are simplex or duplex fibre optic cables terminated at either end with connectors that allow them to be quickly and easily connected to an optical switch, fibre optic termination tray, an SFP or other various types of telecommunication equipment.

Apollo Technology Pty Ltd have the flexibility to be able to offer OM1, OM3, OM4, OS2 in both standard cable and RBR (Reduced Bend Radius) cable configurations. A variety of colors and connector types are also available. Cable jacket sizes include 1.8mm, 2.0mm and 3.0mm variations.

Please advise us at the time of quote if there are any specific requirements as we are more than happy to customise the leads to exactly what you require.

Some key characteristics of Apollo Technology Pty Ltd fibre optic patch leads are:

1. High Return Loss & Low Insertion Loss
2. High reliability and stability
3. Green Production, CE, RoHS Standard

There are a number of applications in which Apollo Technology fibre optic patch leads can be used:

1. Optical fibre communications systems.
2. Optical fibre access networks
3. Optical fibre CATV
4. Optical fibre test equipment (SFP's, Switches, Media Convertors)
5. Optical fibre data communication

Technical Specifications:

Mode	Single mode		Multimode
Polish	UPC	APC	PC
Insertion Loss	≤0.2dB	≤0.3dB	≤0.2dB
Return Loss	≥55dB	≥65dB	≥35dB
Interchangeability	≤0.2dB		
Salt Spray	≤0.1dB		
Repeatability	≤0.1dB (1000 times)		
Vibration	≤0.2dB (550Hz 1.5mm)		
Temperature	≤0.2dB (-40+85 sustain 100 hours)		
Humidity	≤0.2dB (+25+65 93 R.H.100 hours)		
Apex Offset	0μm ~ 50μm		
Radius of Curvature	7mm ~ 25mm		
Standards-Compliant	ROHS,IEC and GR-326		

Fibre cable performance specifications			
Fibre type	**Min. Bandwidth**	**Distance**	**attenuation**
62.5/125	850/1300nm 200/500 MHz/Km	@100Mbps 2km @1Gig 220m	850/1300nm 3.0/1.0dB/km
50/125	850/1300nm 500/500 MHz/Km	@100Mbps 2km @1Gig 500m	850/1300nm 3.0/1.0dB/km
50/125 10Gig Optimized	850/1300nm 2000/500 MHz/Km	@100Gig Varies by VCSEL typical 300m 2850nm	850/1300nm 3.0/1.0dB/km
9/125	1310/1550nm Approx. 100 Terahertz	Up to 100km Varies by transceiver	1310/1550nm 0.4/0.3dB/km

Fibre type	Single mode:1,9/125-G652D 2,9/125-G655 3,9/125-G657
	Multimode:4,50/125-OM2 5,62.5/125-OM1 6,50/125-OM3
Fibre	Corning
Connector1	SC,FC,LC,ST,MU,DIN,MTRJ,E2000,MPO,SMA,D4 and others
Polishing	PC,UPC,APC,MTRJ Male connector, MTRJ female connector
Connector2	SC,FC,LC,ST,MU,DIN,MTRJ,E2000,MPO,SMA,D4 and others
Polishing	PC,UPC,APC,MTRJ Male connector, MTRJ female connector
Cord type	Simplex ,Duplex
Cable diameter	0.9mm ,2.0mm,1.8mm 3.0mm
Cable jacket	PVC,LSZH,OFNR,OFNP
length(M)	0.5m,1m,3M,5m,10m,20m,200m

HOW TO WORK OUT PATCH LEAD PART NUMBERS:

Cable Type: Simplex/Duplex= S or D
Fibre Type: OM1/OM3/OM4/OS2 Singlemode=1/3/4/2
Length: 1M= 1M
Connector end 1: SC/LC/ST/MTRJ/SCA/LCA/FC= SC
Connector end 2: SC/LC/ST/MTRJ/SCA/LCA/FC=SC
Color (other than standard): Red/Black/Blue/Green=R/K/B/G

An example would be: 1m Red OM3 Duplex Patch Cable SC – LC=
D31MSCSCR