

Polarization Maintaining Specifications

Connectors

Connectors	FC		LC		SC		FC Ferrule		Ferrule Stick		Capillary	
Polish	APC	UPC	APC	UPC	APC	UPC	APC	UPC	APC	UPC	APC	UPC
Type	Screw on		Push/ Pull		Push/ Pull		2.5mm OD With Flange		2.5mm OD 10.5mm Long		1.8mm OD 10mm Long	

Fibers

Fiber	PM 1550 _N	PM 1300 _C	PM 980 _N	PM 850 _C	PM 780 _N	PM 630 _N	PM 480 _C	PM 400 _C
Cut-Off (nm)	11300-1440	1100-1290	830-970	650-800	650-770	500-620	400-470	330-400
Mode Field (um)	10.5	9.5	6.6	6.6	5.3	4.0	4.0	3.5
Attenuation (dB/km)	0.5	1.0	3.0	2.5	4	12	30	50

Cables

OD	250um	400um	900um Tight	900um Loose	1.6mm PVC	3mm PVC Loose	3mm Steel	3mm Steel & PVC
Jacket Material	Acrylate	Acrylate	Acrylate + Hytrek (Nylon) Or Silicone	Hytrek (Nylon) or PTFE (Teflon)	PVC	Polypropylene + PVC	Stainless Steel	Galvanized Steel +PVC
Strength Member	-	-	-	-	Kevlar	Kevlar	Steel	Kevlar

Performance

Wavelength	1550	1310	980	850	630	480	400
Insertion Loss (dB)	≤0.25 (≤ 0.1 Avail)		≤0.35 (≤ 0.15 Avail)	≤0.50 (≤ 0.15 Avail)	≤1.0 (≤ 0.5 Avail)	≤1.5 (≤ 0.75 Avail)	
Return Loss (dB)	APC≥70 UPC≥50		APC≥60* UPC≥50*	-	-	-	
Extinction Ratio (dB)	≥25 (35 Avail.)		≥25 (35 Avail.)	≥25	≥20	≥20	
Key to Fiber Alignment	+/- 2 Degrees		+/- 2 Degrees	+/- 2 Degrees	+/- 2 Degrees	+/- 3 Degrees	

* Return loss on 980nm fiber is measured at 1310nm