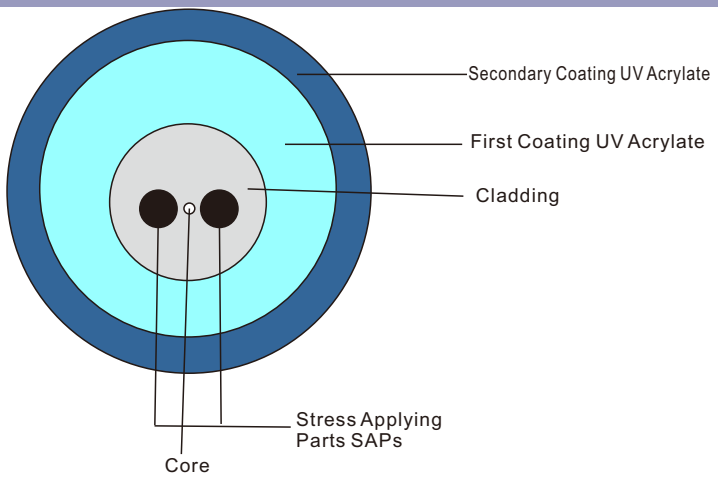
Polarization Maintaining Fiber(PMF) Patch Cords



Polarization maintaining fiber (PMF) is manufactured using the high precision Plasma Chemical Vapor Deposition (PCVD) process. This process produces preforms with precise refractive index profiles, material uniformity and dimensional tolerances, resulting in fibers with excellent birefringence, low attenuation and extremely tight tolerances.With dual-layer, UV-cured Acrylate coating, the polarization maintaining fiber provides.

Feature

1.Fast axis precision positioning slow axis

2.Excellent polarization maintaining properties

3.Tight geometric tolerances and very low attenuation

4.High environmental stability and reliability

Application

1.Polarization-sensitive components

2.High performance transmission laser pigtails

3.Pigtail to LiNbO3 FOG chip (IOC)

4.Polarization-based sensors

Specification

Fiber Type	PM980 125-25/250	PM1310 125-13/250	PMF14XX 125-13/250	PMF1550 125-13/250	PMF980 125-12/250-C	PMF1310 125-13/250-C	PM1550 125-13/250-C
Model	PM1015-A	PM1016-C	PM1018-A	PM1017-C	PM1015-A+	PM1016-C+	PM1017-C+
Operating Wavelength(nm)	980	1310	1400-1490	1550	980	1310	1550
Mode Field Diameter(μm)	6.5±1.0	9.5±1.0	9.8±1.0	10.5±1.0	6.5±1.0	9.0±1.0	10.5±1.0
Attenuation(dB/km)	≤2.5	≤0.5	≤0.5	≤0.5	≤2.5	≤0.5	≤0.5
Beat Length（mm）	≤3.0	≤4.0	≤4.5	≤5.0	3.0–5.0	3.0-6.0	4.5-8.0
Typical Cross Talk at 4m（dB）	≤-40	≤-40	≤-40	≤-40	≤-30	≤-30	≤-30
Cross Talk at 100m（dB）	≤-30	≤-30	≤-30	≤-30	≤-20	≤-25	≤-25
Cladding Diameter(μm)	125±1.0	125±1.0	125±1.0	125±1.0	125±1.0	125±1.0	125±1.0
Coating Diameter(μm)	245±7.0	245±7.0	245±7.0	245±7.0	245±7.0	245±7.0	245±7.0
Range of Temperature(℃)	-50~+80						

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