

BendSafe™ GGP625 0.9 mm PVC Patchcord *Product Information*

Product Name: PA-MM(G62.5)-0.9mm-1-LC/PC-LC/PC-30M

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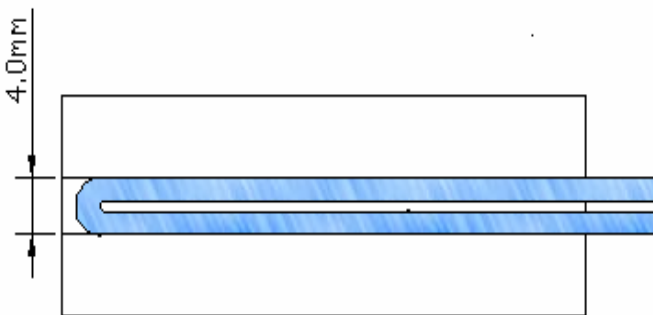
Features

This transparent 0.9 mm PVC patchcord with LC connector is designed with 3M Company licensed GGP 62.5um multimode fiber. GGP fiber's permanent P-coating provides superior glass surface protection. Our experiment show its breakage lifetime under constant small bending radius is more than 10,000 times longer than normal glass optical fiber (i.e.; under tight bend, normal fiber will break within 24 hours, but our GGP fiber can survive more than 25 years.)

Characteristics	Conditions	Specified Values	Unit
Fiber's OPTICAL CHARACTERISTICS			
Attenuation (30 m)	1310 nm	≤ 0.1	[dB]
Bandwidth (30 m)	1310 nm	≥ 13	[GHz]
Numerical Aperture		0.275 ± 0.015	
PHYSICAL CHARACTERISTICS			
Core Diameter		62.5 ± 3	[μm]
Core Non- circularity		≤ 6	[%]
Cladding Diameter		100 ± 4	[μm]
Cladding Non-Circularity		≤ 2.0	[%]
P-Coating Diameter		125 ± 2	[μm]
P-Coating Non-Circularity		≤ 2.0	[%]
Core / P-Coating Concentricity Error		≤ 3.0	[μm]
Acrylate Coating Diameter		245 ± 12	[μm]
PVC Patchcord Cable Diameter		0.9 ± 0.1	[mm]
Attenuation	850 nm	≤ 4.0	[dB/km]
	1310 nm	≤ 1.0	[dB/km]
Small Bend Life Time Screen Test *		> 48	[Hrs]

* Small Bend Life Time Screen Test (0.9 mm cable)

Use a plate with one groove length = 5 cm, width = 4 mm, depth = 2.0 mm as shown in figure below. Put the 0.9 mm fiber cable in the groove let the cable go in along one side of the groove and loop back along the other side, pull the loop back and let fiber cable end form a natural R~1.6 mm half circle, and wait to record the lapse time until the fiber break. This Small Bend Life Time (SBLT) is about one day for standard fiber, and many years for this GGP625 Patchcord.



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