

BendSafe™ GGP625 0.9 mm PVC Patchcord

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>Characteristics</i>	<i>Conditions</i>	<i>Specified Values Unit</i>	
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]
Cladding Diameter		100 ± 4	[μm]
P-Coating Diameter		125 ± 2	[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.**

