

Type:	Multimode Attenuating Patchcords	29.06.2018
		REV: 1.0
		OJ
Reference:	MAP-, see reference system	

Passive Optical Networks

Multimode Attenuating Patchcords



INTRODUCTION:

Fibrain Multimode Attenuating Patchcords are characterized by uniform attenuation in both windows of multimode operation (850 and 1300 nm). The available attenuation can be chosen from the 10-40 dB range in 1 dB increments and the attenuation ripple is very low. These devices are also significantly less sensitive to changes in the modal distribution compared to the more traditional multimode attenuators. Each patchcord is delivered with a test report. The patchcords are available with any standard multimode fiber types (OM2, OM3, or OM4) and their length and connectors types can be customized.

APPLICATIONS:

Testing systems
Light sources and detectors
Optical telecommunication networks

FEATURES AND ADVANTAGES:

850 and 1300 nm operating range
Very good attenuation uniformity
Very low sensitivity to changes in modal distribution
Patchcord without splices or bulges
900 µm or 2.0 mm cable, with customized length

TECHNICAL SPECIFICATIONS:

Parameter	Value
Fiber type	OM2, OM3, or OM4
Cable type	900 µm or 2.0 mm
Connector type	Any
Patchcord length	Min. 0.5 m
Attenuation	10-40 dB, 1 dB increments
Attenuation tolerance relatively to nominal attenuation	± 10% (in dB)
Operating wavelength range	800-1400 nm
Attenuation ripple in the 800-1400 nm range (measured in OFL conditions)	± 2.5% (in dB)
Max optical power	500 mW
Temp. operating range	-20/+70 °C

REFERENCE SYSTEM:

Cat.	Quality	Fiber type	Cable type	Patchcord length	Attenuation	Connector A	Connector B
MAP-	G0	2 – OM2	20 – 2.0 mm	0 – 0.5 m	20 – 20 dB	ST	ST
		3 – OM3	900 – 0.9 mm	1 – 1.0 m	25 – 25 dB	SC	SC
		4 – OM4		2 – 2.0 m	etc.	FC	FC
						E20	E20
						LC	LC

Ordering example: MAP-G0-2-20-1-30-SC-SC – Multimode attenuating patchcord, OM2 fiber, 2.0 mm 1 m cable, 30 dB attenuation, SC/PC input and output connectors

Important notice

Buyer and/or user of this product has to make sure before using this product that it is suitable for the intended use. All questions of liability relating to this product are subject – in accordance with the prevailing – to the Terms of Sales of the selling Fibrain subsidiary.