Mode Conditioning Plug

Amphenol's MC Plug is designed for use in Gigabit Ethernet applications and is compliant with the IEEE 802.3z standards. The use of mode conditioning plugs significantly increases the performance and applicable distances of laser diodes (LD) over multimode fiber networks.

The MC pluggable module eliminates the need for placing the mode conditioner into a cable assembly. The MC plug can be used with any standard multimode cable assembly greater than 3 meters. This versatility allows the user to quickly configure and reconfigure systems without the limitations of fixed length mode conditioning patch cords.

Features/Benefits

- Available in SC, LC, or FC style plug
- Male to female pluggable
- Available in either direction (i.e. Male can be either S/M or M/M)
- Offset splice technology
- Reduced size mounts directly to panel
- Completely modular and flexible
- Universal plug package that is commonly used for plug style attenuators
- IEEE-802.3z Compliant (Gigabit Ethernet)

Specifications

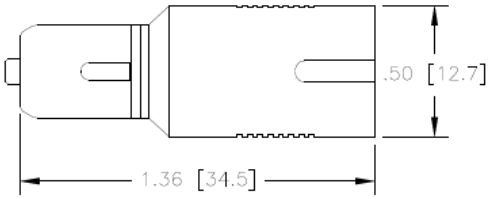
Multimode Fiber Type:
50/125µm or 62.5/125µm
Single Mode Fiber Type:
8/125µm SMF-28e
Loss S/M to M/M:
Insertion Loss: <0.5 dB
Return Loss: >25 dB
Operating Wavelengths:
1310nm Nominal
Operating Band Pass:
1260 to 1360nm
Storage/Operating Temperature:
Storage: -40º C to 80º C

Amphenol
FIBER OPTIC PRODUCTS

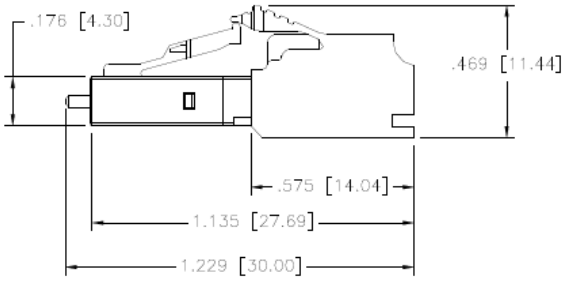
www.amphenol-fiberoptics.com
sales@amphenol-fiberoptics.com
Customer Service 800-944-6446

Mode Conditioning Plug

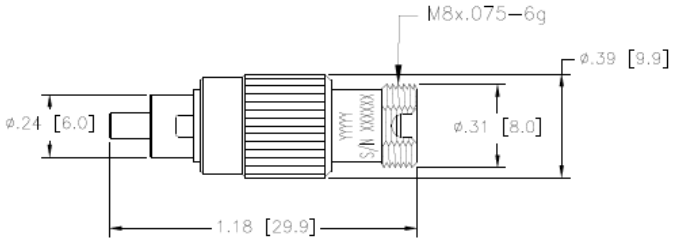
SC MC PLUG



LC MC PLUG



FC MC PLUG



PART NUMBER	STYLE	MALE END	FEMALE END
954-999-MCP50M1	SC	m/m 50/125µm	s/m 8/125µm
954-999-MC62M1	SC	m/m 62.5/125µm	s/m 8/125µm
954-999-MCP50F1	SC	s/m 8/125µm	m/m 50/125µm
954-999-MCP62F1	SC	s/m 8/125µm	m/m 62.5/125µm
944-999-MCP50M1	FC	m/m 50/125µm	s/m 8/125µm
944-999-MCP62M1	FC	m/m 62.5/125µm	s/m 8/125µm
944-999-MCP50F1	FC	s/m 8/125µm	m/m 50/125µm
944-999-MCP62F1	FC	s/m 8/125µm	m/m 62.5/125µm
956-999-MCP50M1	LC	m/m 50/125µm	s/m 8/125µm
956-999-MCP62M1	LC	m/m 62.5/125µm	s/m 8/125µm
956-999-MCP50F1	LC	s/m 8/125µm	m/m 50/125µm
956-999-MCP62F1	LC	s/m 8/125µm	m/m 62.5/125µm

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