

PM COMPONENTS

POLARIZATION MAINTAINING FC JUMPERS

DiCon's Polarization Maintaining FC Jumpers are built using a proprietary termination process for polarization maintaining (PM) fiber types. With this process, DiCon is able to control the alignment of the PM stress rods to within tight tolerances with respect to the connector key, resulting in low insertion loss and excellent polarization extinction ratio.



FEATURES

- Low insertion loss
- Excellent extinction ratio
- Slow or fast axis key alignment

APPLICATIONS

As the gain of amplifiers is increased and as transmission speeds go to OC-192 and higher, polarization maintaining fiber is increasingly being used. Polarization Maintaining FC Jumpers are commonly used to connect modules and line cards within long haul transmission systems. They are also used as test jumpers for testing of polarization maintaining components and modules.



PM COMPONENTS

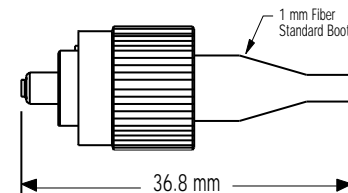
SPECIFICATIONS¹

Insertion loss	0.3 dB typ., 0.5 dB max.	
Back-reflection	SPC	-40 dB min. to -55 dB max.
	UPC	-50 dB max.
	APC	-55 dB max.
Extinction ratio	-30 dB typ., -23 dB max.	
Fiber type	PM13-UV/UV-400 Panda	
Fiber length	10 meters max.	
Operating temperature	0°C to +70°C	
Storage temperature	-40°C to +70°C	

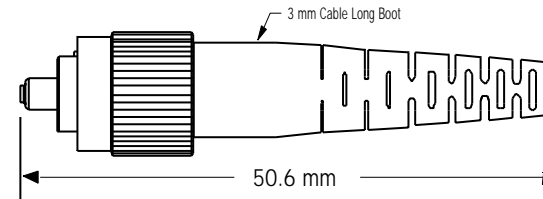
1. All specifications referenced without connectors.

HOUSING DIMENSIONS

0.9 mm loose tube



3.0 mm loose tube



Units: mm

ORDERING INFORMATION

