

PM jumpers

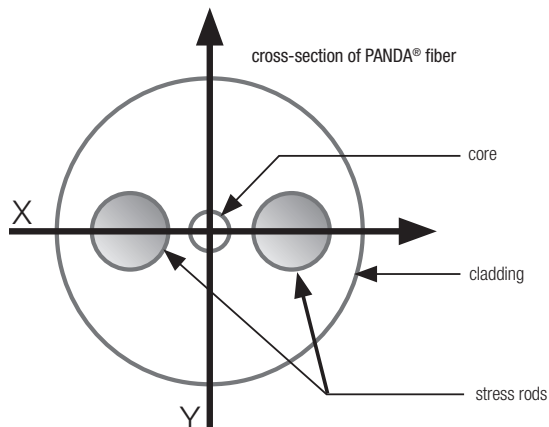
AFL Telecommunications offers SC and FC style jumpers with the optical polarization control of PANDA® fiber. Advances in telecommunications technology have led to a demand for polarization control in optical signal processing. Increases in transmission speed to OC-192 and beyond require external modulators that commonly use anisotropic materials, such as lithium niobate. These materials are sensitive to the polarization state of incoming optical signals as effective modulation is only achieved by modulation on one birefringent axis. Fujikura PANDA® fiber is recognized worldwide as the industry standard for polarization maintaining applications. Custom design options available.

features

- High extinction ratio
- Low insertion loss
- Custom polarization orientation

application

- Polarization based modulators
- High bit rate telecommunications
- Interferometry
- Optical amplifiers



specifications

PARAMETER	STANDARD (SC/FC)		PREMIUM (SC/FC)	
Polish	UPC	APC	UPC	APC
IL (dB)	0.5	0.5	0.3	0.3
RL (dB)	50	60	55	65
Polarization Axis Alignment Accuracy	(±) 3°	(±) 3°	(±) 3°	(±) 3°
Extinction Ratio	25	25	27	27
Fiber Type	Fujikura PANDA®			
Fiber Length (including connectors ¹)			m	0 to 5.0
operating temperature	using UV/UV-250 or UV/UV-400		°C	-20 to +70
	using 900µm tight buffer		°C	+5 to +45
Storage Temperature			°C	-40 to +70
FC Key Width (External)	APC		mm	narrow key 1.97-2.02
	UPC		mm	wide key 2.13-2.15
	SPC		mm	

1. Please specify the length upon ordering
NOTE: Unless otherwise stated, the specifications listed were measured at ambient temperature (25 ±5°C)

ordering information

