

## Mode Field Adapted Patch Cords



### Product Features

Adopting unique thermally expanded core (TEC) technology, COMCORE realizes the mode field matching of optical fibers with different core diameters.

- Small mode field diameter--can be coupled with planar waveguide efficiently
- Thermally expanded core--can be connected with communication optical fibers with low loss

### Product Applications

- Connection between optical waveguides and communication optical fibers
- Optical fiber communication system

### Specifications

Parameter	Unit	Values				
Fiber Type	/	Single Mode Fibers/Polarization Maintaining Fibers				
Wavelength	nm	1310、1475、1480、1550、1570、1590、1625				
Small Mode Field Fiber (SMFF)	um	3/125	4/125	6/125	9/125	
Large Mode Field Fiber (LMFF)	um	9/125	9/125	9/125	20/125	
Insert Loss	Typ.	dB	0.2	0.1	0.1	0.1
	Max.	dB	0.4	0.3	0.2	0.4
Extinction Ratio	Min.	dB	20 (for PMF)			
Return Loss	Min.	dB	45			
Operating Temperature	°C	-5~+75				
Package Type	mm	Recoating、S5=Ø3*40、S6=Ø3*54				

### Diagram

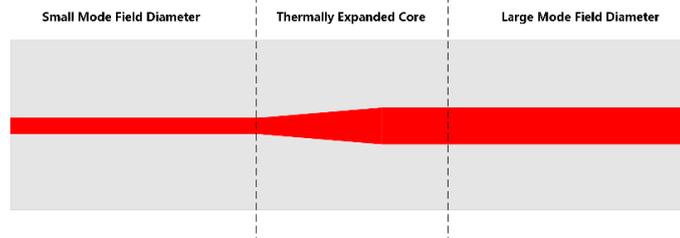


Fig. 1 schematic diagram of mode field adaptation

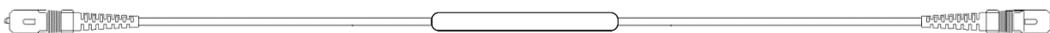


Fig. 2 schematic diagram of overall structure

### Ordering Information

M	F	P	C									
				<b>Fiber Type</b>	<b>Wavelength</b>	<b>SMFF</b>	<b>LMFF</b>	<b>Power</b>	<b>Package</b>	<b>Length</b>	<b>Connector 1</b>	<b>Connector 2</b>
				1=SM 2=PM S=Specify	1=1625nm 2=1590nm 3=1570nm 4=1550nm 5=1480nm 6=1475nm 7=1310nm S=Specify	1=3/125um 2=4/125um 3=6/125um 4=9/125um S=Specify	4=9/125um 5=20/125um S=Specify	1=5W; 2=10W; S=Specify	4=S5 with Bare fiber 5=S6 with bare fiber R=Recoating S=Specify	0=0.5m 1=0.75m 2=1.0m 3=1.5m 4=2.0m 5=2.5m 6=3.0m S=Specify	0=None 1=FC/PC 2=FC/SPC 3=FC/APC 4=SC/SPC 7=FC/UPC S=Specify	0=None 1=FC/PC 2=FC/SPC 3=FC/APC 4=SC/SPC 7=FC/UPC S=Specify

Note: 1. Central Wavelength can be customized for different applications.

2. All specifications are before connectors and are subject to change without notice.