

## Duplex Jumper LC/UPC to LC/UPC Fiber Optic Patch Cord

### OS2 9/125um Corning Fiber G657



#### Description

UnitekFiber provide patchcords. Patchcord means that the terminations are connect at both ends of the optical cable to realize the optical path active connection. Optical Fiber Patchcord is similar to coaxial cable except that there is no mesh shield. The light-transmitting glass core is in the central. The fiber core has a diameter of 50/125  $\mu$  m to 65/125  $\mu$  m for multi mode fiber patchcords, which is roughly equivalent to the thickness of a human hair. The diameter for single mode fiber core is 8  $\mu$  m to 10  $\mu$  m. The fiber core is wrapped by a glass which is having a lower index of refraction than the core to maintain the fiber within the core.

#### Characteristics

Using high precision ceramic ferrule  
Low insertion loss and high return loss  
Excellent stability and high repetition  
100% Optic test (Insertion Loss & Return Loss)

#### Application

Telecommunication Network  
Fiber Broad Band Network  
CATV system  
LAN and WAN system  
FTTP

#### Specification



Item	Unit	FC SC LC				ST MU			MT-RJ MPO			E2000	
		SM			MM	SM		MM	SM		MM	SM	
		PC	UPC	APC	PC	UPC	PC	PC	PC	UPC	PC	PC	UPC
Insertion loss(typical)	dB	≤0.3	≤0.3	≤0.3	≤0.5	≤0.3	≤0.3	≤0.5	≤0.3	≤0.3	≤0.5	≤0.3	≤0.3
Return loss	dB	≥45	≥50	≥60	≥30	≥45	≥50	≥30	≥45	≥50	≥35	≥55	≥75
Operating wavelength	nm	1310 1510				1310 1510			1310 1510			1310 1510	
Exchangeability	dB	≤0.2				≤0.2			≤0.2			≤0.2	
Vibration	dB	≤0.2				≤0.2			≤0.2			≤0.2	
Operating temperature	℃	-40~75				-40~75			-40~75			-40~75	
Storage temperature	℃	-45~85				-45~85			-45~85			-45~85	
Cable Diameter	mm	Φ3.0,, Φ2.0, Φ 0.9											
Repeatability	dB	Additional loss<0.1db,return loss< 5 dB											
Interchangeability	dB	Additional loss<0.1db,return loss< 5 dB											
Connection times	times	>1000											