

## Waterproof Pre-connection SC connector Fiber Optical Patch Cord-5.0

### 1. Description:

SC Waterproof Connector is a high-performance waterproof SC single-core connector. It incorporates an SC connector core, which effectively reduces the overall size of the waterproof connector. The housing is made of special plastic resistant to high and low temperatures, acid and alkali corrosion, and UV radiation, supplemented by waterproof rubber gaskets, providing a sealing and waterproof rating up to IP68.



### 2. Features:

- Low insertion loss and high return loss.
- IP68 moisture and dust protection for harsh environments
- Low smoke, zero halogen and flame retardant sheath.
- Compact body and high practicability.
- Special low-bend-sensitivity fiber provides high bandwidth data transmission.
- Easy installation for saving time.

### 3. Specification:

5.0 General Parameters of Pre-terminated Assembly			
Fiber Cores		1F	
Fiber Type		G657A1,	
Sheath	Material	Flame Retardant LSZH	
Cable Diameter		5.0 mm	
Tensile Strength		≥ 120 N	
Operating Wavelength	Single-mode	1260 nm ~ 1650 nm	
	Multi-mode	850 nm ~ 1300 nm	
Insertion Loss	UPC	Single-mode	≤ 0.3 dB
		Multi-mode	≤ 0.35 dB
Return Loss	APC	Single-mode	≤ 0.3 dB
		UPC	Single-mode
	Multi-mode	≥ 26 dB	
APC	Single-mode	≥ 60 dB	
Insertion and extraction cycles		≥ 1000 times	
Operating Temperature		-40 °C ~ 85 °C	
Waterproof Rating		IP68	
Length		50 m, 100 m, and other custom lengths	

#### 4. Product display:



#### 4. Application Scope:

- Optical fiber communication in harsh outdoor environments
- Connection of outdoor communication equipment
- Remote wireless base stations
- FTTx cabling projects