



1、 Description

Waterproof fiber optic pigtails is a fiber optic component that has a durable and waterproof fiber optic connector installed on one end and a length of exposed fiber at the other end. Waterproof fiber pigtail is designed with a stainless steel strengthened waterproof unit and armored outdoor PE jacketed cables.

Fiber optic pigtails are used to connect the major optical cable lines and the optical receivers in optical fiber communication systems.

2、 Features

- 100% factory tested assemblies with traceable test data, Low environmental sensitivity
- Low insertion loss, High return loss, Stricter than industry standards
- Good exchange ability and good durability, Stable optical properties
- Waterproof performance and epoxy free waterproof connector
- Automatic locking device in waterproof connector
- Strict temperature control, testing standard and methods
- Standard connector, Various connector option: LC、 SC、 FC、 ST etc.
- Compliant with IEC61754, GR-326, TIA/EIA 568 standard1.

3. Specification

Fiber Type	SM (9/125um)		MM (50/125um、62.5/125um)
Polish	UPC	APC	UPC
Insertion Loss	≤0.30dB (Max) ≤0.20dB (typical)		≤0.30dB (Max) ≤0.10dB (typical)
Return Loss	≥50dB	≥60dB	≥20dB
3D	Radius of Curvature :10-25mm(PC/UPC) , 5-12mm(APC) Apex offset : 0-50um High fiber : ±100 nm Angle: 8±0.2°(APC)		
Repeatability	1000 times typical change value ≤ 0.20dB		
Interchangeability	≤0.20dB		
Branch Diameter(optional)	2.0 , 3.0mm		
Jacket Material	PE		
Fiber Cores(optional)	2, 4, 6, 8 and 12 cores		
Fiber Moder(optional)	G652D, G657A, G657B, OM1, OM2, OM3, OM4		
Operating Temperature	-20 ~ +70 °C		
Storage Temperature	-40 ~ +85 °C		

Branch color code sequence

Branch Color	1	2	3	4	5	6
	Blue	Orange	Green	Brown	Slate	White
Branch Color	7	8	9	10	11	12
	Red	Black	Yellow	Purple	Pink	Aqua

4. Application

- CATV, LANs, WANs
- Telecommunication networks
- Active device termination
- Optical fiber communication networks
- Connection of equipment in the open air
- Installation and debugging in harsh conditions
- FTTx

