

Fiber Optic Accessories

Waterproof Cable

Overview

Waterproof cable can be used in harsh environment. It is mainly used in outdoor connection of the optical transmitter. Waterproof Cable is designed with a stainless steel strengthened waterproof unit and armored outdoor PE jacketed cables.

Features

- Adoptable connector type: FC, SC;
- Good performance of tension-resiatant, anti-erison and water-proof, widely used in extreme environment;
- Simple installation;
- Available fiber number per cable (2-12).



Application

- Used in pigtail and patch cords;
- Used in optical connections in optical communication equipment rooms and optical distribution frames;
- Used in indoor cabling

Cable Parameters (Without Central Strength Member)

Fiber Count	Cable Dimension (mm)	Cable Weight (kg/km)	Tensile (N)		Crush (N/ 100mm)		Min. Bend Radius (mm)		Range of Temperature (°C)
			Long Term	Short Term	Long Term	Short Term	Dynamic	Static	
2	5.8	27	130	440	300	1000	20D	10D	-20 ~ +60
4	5.8	29	130	440	300	1000			
6	6.5	33	130	440	300	1000			
8	7.0	40	130	440	300	1000			
10	7.5	46	130	440	300	1000			
12	8.0	52	130	440	300	1000			

Note:1.All the values provided in the table, which are for your reference, are subject to change without notice;

2.The cable dimension and weight are subject to simplex cable of 0.9mm outer diameter;

3.D is outer diameter of the round cable;

4.The minimum bend radius (static) is 5D when G657 fiber is used.



Cable Parameters (With Central Strength Member)

Fiber Count	Cable Dimension (mm)	Cable Weight (kg/km)	Tensile (N)		Crush (N/ 100mm)		Min. Bend Radius (mm)		Range of Temperature (°C)
			Long Term	Short Term	Long Term	Short Term	Dynamic	Static	
2	8.7	54	200	400	500	1000	20D	10D	-20 ~ +60
4	8.7	60	200	400	500	1000			
6	10.0	81	300	600	500	1000			
8	11.7	108	400	800	500	1000			
10	13.3	134	500	1000	500	1000			
12	15.0	183	600	1200	500	1000			

Note: 1. All the values provided in the table, which are for your reference, are subject to change without notice;

2. The cable dimension and weight are subject to simplex cable of 2.0mm outer diameter;

3. D is outer diameter of the round cable;

4. The minimum bend radius (static) is 5D when G657 fiber is used.

Technical Specifications

Parameters	FC/PC	FC/UPC	FC/APC
Working Temperature (°C)	-40 — +80		
Insertion Loss (dB)	≤0.25	≤0.25	≤0.25
Return Loss(dB)	≥45	≥50	≥60
Endurance(Times)	≥600	≥600	≥600
Tensile strength (≥ Φ 1.0mm)(N)	≥55N	≥55N	≥55N

