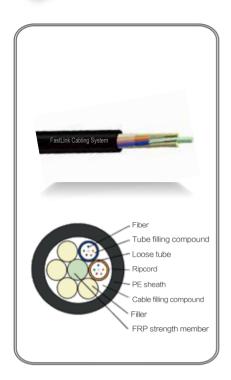


Outdoor non-metallic optical fiber





Product advantages

- Fastlinkcabsys outdoor non-metallic multi sleeve optical fiber is covered with polyethylene (PE), there is a polyester yarn cable on both sides of the outer sheath to facilitate the stripping of the optical cable.
 The center of the cable is a glass fiber reinforced plastic (FRP), loose tube (PBTP) and filling rope are twisted around the center reinforced plastic (FRP) to form a compact circle. The optical fiber is placed in the loose tube (PBTP) and filled with waterproof glue; the gap between cable cores is filled with water blocking filler to make the cable has stronger waterproof capacity, and the maximum number of cores is 144.
- The overall structure of FastLinkcabsys outdoor non-metallic multi sleeve optical fiber is metal free and easy to peel off. It is covered externally and complies with ROHS 2011/65/eu environmental protection specifications and standards.
- Optical fiber test standard basis: IEC 60793-1-xx:2002 and en 60793-1-xx:2002.

Product structure characteristics

2–12 core multi casing
Inner casing diameter: 2.0~3.0mm
Optical cable diameter: 10.0~15.5mm
Weight of optical cable: 87~121kg/km
Bending radius (IEC 60794–1–2–e11):
20 x optical cable diameter (during installation)
10 x optical cable diameter (during operation)

Tensile strength (IEC 60794–1–2–e1): 600N (long distance) and 1500N (short distance) Compressive strength (IEC 60794–1–2–e3):1000n/100mm Impact force (IEC 60794–1–2–e4):10nm Torque (IEC 60794–1–2–e7):5 cycles \pm 1 turn Applicable temperature (IEC 60794–1–2–f1): $-40 \sim +70 \,^{\circ}\mathrm{C}$ (in stock)

-40 ~ +70 °C (during operation)

Color code arrangement

Color sequence of inner casing	NO.	1	2	3	4		
	Color	Blue	Orange	Green	Brown		
	NO.	5	6	7	8		
	Color	Grey	White	Red	Black		

Fiber color sequence	NO.	1	2	3	4	5	6
	Color	Blue	Orange	Green	Brown	Grey	White
	NO.	7	8	9	10	11	12
	Color	Red	Black	Yellow	Violet	Pink	Aqua

Optical cable structure size

Items		Descriptions									
Optical fiber		6 fiber per tube						12 fiber per tube			
Fiber count		6	12	18	24	30	36	48	60	72	84
Central strength	material	FRP									
member	diameter	2.25mm						2.8mm			
	material	PBT									
loose tube	diameter	nom:1.9mm						nom:2.1mm			
	numbers	1	2	3	4	5	6	4	5	6	7
Filler	material	PP									
Filler	numbers	5	4	3	2	1	0	3	2	1	0
Ripcord	Count		2								
Outer sheath	material	PE									
Outer sheath	thickness	average 1.8 mm						average 2.0 mm			
Cable diameter		Approximate 9.7 mm						Appro. 11.0 mm			
Cable weight		Approximate 80 kg/km Appro.103 kg/km									