



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 ± 1 turn
 Applicable temperature (IEC 60794-1-2-f1):
 -40 ~ +70 °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 member	material	FRP									
	diameter	2.25mm						2.8mm			
loose tube	material	PBT									
	diameter	nom:1.9mm						nom:2.1mm			
	numbers	1	2	3	4	5	6	4	5	6	7
Filler	material	PP									
	numbers	5	4	3	2	1	0	3	2	1	0
Ripcord	Count	2									
Outer sheath	material	PE									
	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			