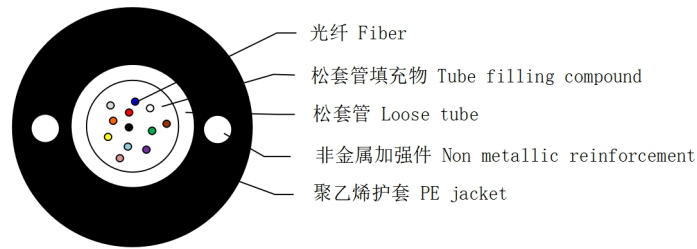


Technical specification for GYFTW optical cable

1. 结构图 Structure diagram



2. 结构尺寸 Structure size

项 目Project	要求Requirement
光缆芯数Fiber number	4cores、6cores、12cores
光纤类型Fiber type	G652D
光纤色谱Fiber color	蓝、橙、绿、棕、灰、白、红、黑、黄、紫、粉红、青绿 Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Aqua
松套管外径Outside diameter of loose tube	2.0mm
非金属加强件Non metallic Reinforcement	2*0.8mm GFRP
护套材料Jacket material	黑色聚乙烯护套料Black PE material
护套壁厚Sheath thickness	2.0±0.2mm
参考外径Reference diameter	6.0±0.3mm
参考重量Reference weight	31kg/km

3. 光纤及光缆性能 Performance of optical fiber and cable

序号NO.	项目Project	性能指标 Performance index	
1	包层直径Cladding diameter	125±1um	
2	包层不圆度Cladding non-circularity	≤1.0%	
3	光缆截止波长Cable cut-off wavelength	≤1260nm	
4	零色散波长范围Zero-dispersion avelength	1300-1324nm	
5	零色散斜率Zero-dispersion slope	≤0.092ps/(nm²*km)	
6	模场直径Mode field diameter	1310nm	9.2±0.4um
7	衰减 Attenuation	@1310nm	≤0.36dB/km
		@1550nm	≤0.22dB/km
8	抗拉性能Tensile properties	长期 Long-term	100N
		短期 Short-term	200N
9	抗压性能Compressive properties	长期 Long-term	300N
		短期 Short-term	1000N
10	弯曲半径 Bending radius	静态Static	12.5D
		动态Dynamic	25D
11	使用温度Service temperature	-30~+60℃	

4. 标识及包装Identification and packaging

4.1 可根据客户要求在光缆表面标识相关内容，如客户名称、制造厂家、型号规格、长度等信息。

According to the requirements of customers, the relevant contents can be marked on the surface of optical cable, such as customer name, manufacturer, model, specification, length and other information.

4.2 光缆盘长2km或3km，采用木盘包装。

The length of optical cable section is 2km or 3km, and it is packed in wooden tray.