

# ASU Cable

ASU光缆

## Description 产品描述

The structure of the optical cable is that the 250μm optical fiber is sheathed in a loose tube made of high modulus material, and the loose tube is filled with a waterproof compound. Loose tube and FRP are twisted together by SZ. Water-blocking yarn is added to the cable core to prevent water seepage, and then a polyethylene sheath is extruded to form a cable. A ripcord can be used under the cable jacket to tear it apart.

光缆的结构是将250μm光纤套入高模量材料制成的松套管中，松套管内填充防水化合物。松套管和FRP被SZ绞合在一起。缆芯中加阻水纱以防止其渗水，后挤制聚乙烯护套成缆。在光缆护套下可使用一根剥离绳将其撕开。

## Characteristics 产品特点

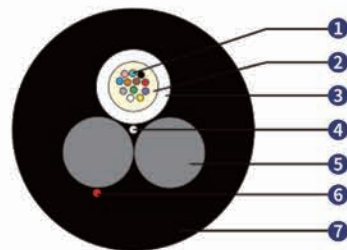
- The unique second-layer coating and stranding technology provides sufficient space and bending resistance for the optical fiber, thus ensuring good optical performance of the optical fiber in the cable  
独特的第二层涂层和绞合技术为光纤提供了足够的空间和耐弯曲性，从而确保电、缆中的光纤具有良好的光学性能
- Precise process control ensures good mechanical and temperature performance  
精确的过程控制可确保良好的机械性能和温度性能
- High-quality raw materials guarantee a long service life of the cable  
松套管内放入特种阻水纱，对光纤进行了关键性保护
- Specially designed compact structure is good at preventing loose tubes from shrinking  
高品质的原材料保证电缆的使用寿命长

## Standards 产品标准

GYTC8A cable complies with Standard YD/T 1155 as well as IEC 60794-1.  
GYTC8A光缆符合YD/T 1155和IEC 60794-1标准。

## Structure Drawing 结构图

1. Optical Fibe  
光纤
2. Tube Filling Compound  
管填充化合物
3. Loose Tube  
松套管
4. Water Blocking Yarn  
阻水纱
5. Strength Member  
加强件
6. Ripcord  
撕裂绳
7. Outer Sheath  
外护套



## Specifications 参数

### Technical Parameters 结构参数

Fiber Core 光纤芯数	1-12		24	
	80 Meters	120 Meters	80 Meters	120 Meters
Span 跨距	G.652D			
Fiber Type 光纤类型	G.652D			
	PBT			
	2.0±0.06mm	2.5±0.06mm	3.0±0.1mm	
	0.32±0.03mm	0.35±0.03mm	0.50±0.05mm	
Loose Tube 松套管	White 白色			
	Fiber Reinforced Polymer (FRP) 纤维增强聚合物@FRP®			
Strength Member 加强件	2.0±0.05mm	2.5±0.05mm	2.0±0.05mm	2.5±0.05mm
	PE 聚乙烯			
Outer Sheath 外护套	1.0±0.1mm			
	Nylon 尼龙			
Rip Cord 撕裂绳	Red 红色			
	1			
	1			
Cable Diameter 光缆直径	6.6±0.2mm	7.6±0.2mm	7.5±0.2mm	8.2±0.2mm
Cable Weight 光缆重量	45±5.0kg/km	62±5.0kg/km	52±5.0kg/km	65±5.0kg/km
Allowable Tensile Strength 允许抗拉强度	1500N	2000N	1500N	2000N
Allowable Crush Resistance 允许抗压性	2200N/100mm			
Min. Bending Radius 最小弯曲半径	Without Tension 没有张力			
	Maximum Tension 最大张力			
Temperature Range 温度范围	Installation 安装			
	Transport/storage 运输/存储			
	Operation 操作			
		10.0*Cable Diameter 10.0*光缆直径		
		20.0*Cable Diameter 20.0*光缆直径		
		-20~+60°C (-4~140°F)		
		-40~+70°C (-4~158°F)		
		-40~+70°C (-4~158°F)		

Storage/Operating Temperature: -40°C~+70°C  
储存/使用温度: -40°C~+70°C