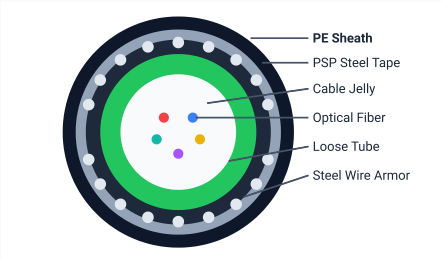


Outdoor Loose Tube Armored Optical Cable (GYXTS)

High-Performance Outdoor Fiber Optic Solution

Product Description

The structure of **GYXTS** outdoor central loose tube armored optical cable is formed by inserting 250μm optical fibers into a loose tube made of high-modulus material, filled with a waterproof compound. The loose tube is longitudinally wrapped with a layer of phosphated steel wire armor, followed by a double-sided plastic-coated steel tape (PSP) armor, and finally extruded with a polyethylene (PE) outer sheath to form the cable.



Product Features

- **Mechanical & Thermal Performance:** Excellent mechanical strength and temperature resistance.
- **Hydrolysis Resistance:** Loose tube material exhibits superior hydrolysis resistance and high structural strength.
- **Crush Resistance:** Double-sided plastic-coated steel tape (PSP) enhances lateral pressure resistance.
- **Tensile Resistance:** Fine round steel wires ensure high tensile strength for the optical cable.
- **Fiber Protection:** Tube is filled with special waterproof compound to provide critical optical fiber protection.
- **Compact & Lightweight:** Small outer diameter, light weight, and convenient deployment.

Product Specifications & Parameters

Cable Model	Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)	Allowable Tensile Force (N)		Allowable Crush Resistance (N/100mm)		Bending Radius (mm)	
				Long-Term	Short-Term	Long-Term	Short-Term	Static	Dynamic
GYXTS-4Xn	4	7.8	80	1500	3000	1000	2000	15D	30D
GYXTS-12Xn	12	7.8	80	1500	3000	1000	2000	15D	30D
GYXTS-24Xn	24	7.8	80	1500	3000	1000	2000	15D	30D

Note: The above data is for reference only. Storage and Operating Temperature Range: -40°C to +70°C.

Product Standards

Compliance Standard: Guangdong Juqian Optical Fiber & Cable Communication Co., Ltd. **GYXTS** optical cable complies with the **YD/T 769-2010** telecommunications industry standard.