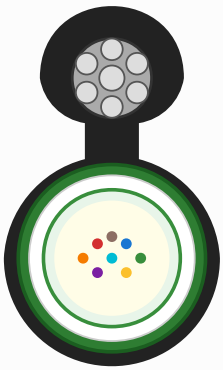
UNITUBE FIG. 8 STYLE OPTICAL FIBER CABLE

PRODUCT SPECIFICATION SHEET | GYXTC8S

PRODUCT DESCRIPTION

The structure of **GYXTC8S** optical cable features 250μm optical fibers inserted into a loose tube made of high-modulus material, filled with waterproof compounds. The loose tube is longitudinally wrapped with a layer of double-sided plastic-coated steel tape (PSP). Water-blocking material is added between the steel tape and loose tube to ensure compactness and longitudinal water resistance, integrated with stranded steel wires into a figure-8 polyethylene (PE) sheath.



GYXTC8S Structural Illustration

PRODUCT FEATURES

- **Full Cross-Section Water-Blocking Structure:** Ensures excellent moisture and water-proofing performance.
- **Special Tube Filling Compound:** Provides critical protective buffering for optical fibers.
- **Longitudinal Steel Tape (PSP):** Enhances the side-crush resistance and mechanical robustness of the cable.
- **Long Service Life:** Designed for an operational lifespan exceeding 30 years.
- **Self-Supporting Fig. 8 Structure:** High tensile strength, convenient for aerial installation, significantly reducing installation costs.

PRODUCT PARAMETERS

Cable Model	Fiber Count	Cable Dia. (mm)	Weight (kg/km)	Messenger Spec.	Web Dimensions H×W (mm)	Allowable Tensile Force (N)		Allowable Crush (N/100mm)		Bending Radius (mm)	
						Long	Short	Long	Short	Static	Dynamic
GYXTC8S-4Xn	4	7.0×13.0	118	φ1.0mm×7 Steel Strand	3.0×2.5	1000	2500	300	1000	80	160
GYXTC8S-8Xn	8	7.0×13.0	118	φ1.0mm×7 Steel Strand	3.0×2.5	1000	2500	300	1000	80	160
GYXTC8S-12Xn	12	7.0×13.0	118	φ1.0mm×7 Steel Strand	3.0×2.5	1000	2500	300	1000	80	160
GYXTC8S-16Xn	16	7.65×14.5	129	φ1.0mm×7 Steel Strand	3.0×2.5	600	1500	300	1000	90	180
GYXTC8S-24Xn	24	7.65×14.5	129	φ1.0mm×7 Steel Strand	3.0×2.5	600	1500	300	1000	90	180

Note: The above data is for reference only. Storage and operating temperature range: -40°C to +70°C.

Product Standards: Dongguan Huihong Fiber Optic Cable Co., Ltd. GYXTC8S optical fiber cable complies with YD/T 1155 and IEC 60794-1 standards.