

NCTS-GYXTC8S

Outdoor Self-supporting unit tube

Light-armored fiber optic cable

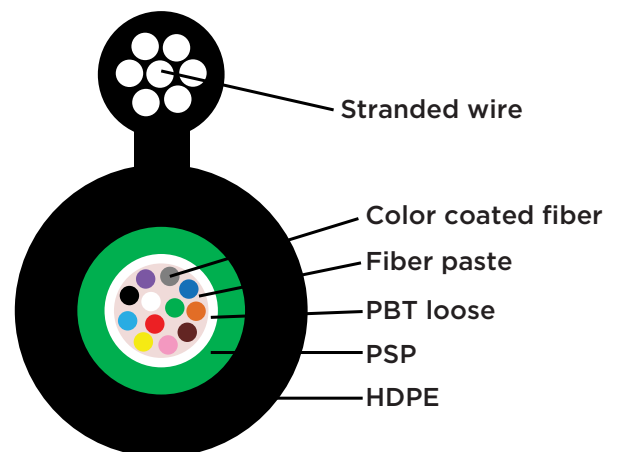
4 - 12 cores

Description

The optical fiber 250 μ m (4~12cores) are positioned in a loose tube made of a high modulus plastic. The tube is filled with a water-resistant filling compound. The tube is wrapped with a layer of steel tape (PSP) longitudinally. Between the PSP and the loose tube water-blocking material is applied to keep the cable compact and watertight. A self-supporting messenger (stranded wires 7*1.0mm) is applied on the side. The cable is completed with a polyethylene (PE) sheath.

Characteristics

- Application: Self-supporting
- High tensile strength of stranded wires meets the requirements of self-supporting and reduce the installation cost
- Small diameter, light weight and friendly installation
- Good mechanical and temperature performance
- High strength loose tube that is hydrolysis resistant
- Special tube filling compound ensure a critical protection of fiber
- Crush resistance and flexibility
- PSP enhancing moisture - proof



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Technical Specifications

Model: NCTS-GYXTC8S

Technical parameter

Fiber counts	4	6	8	12
Fiber type	G.652D	G.652D	G.652D	G.652D
PBT tube qty.	1	1	1	1
Fibers/Tube	4	6	8	12
Messenger	7*1.0mm steel wires	7*1.0mm steel wires	7*1.0mm steel wires	7*1.0mm steel wires
Outer sheath	PE	PE	PE	PE
Cable O.D.	7.0*15.0 ±1.0mm	7.0*15.0± 1.0mm	7.0*15.0± 1.0mm	7.0*15.0± 1.0mm

G.652d Fiber

Attenuation Max.	1310nm	dB/km	≤0.36	Geometric features	cladding diameter μm		125.0±0.8
	1550nm		≤0.22		Cladding roundness %		≤1.0
Bending radius	Statistic	mm	10D		Coating diameter μm		245±10
	Dynamic		20D		Coating/cladding concentricity error μm		≤12
Temperature	installation	°C	-15~+60		Coating roundness %		≤6
	Storage and transportation		-20~+60		Core/cladding concentricity error μm		≤0.5
	Working		-20~+60	optical properties	The mode field diameter	1310nm	8.8±0.4μm
Tensile	Long term	N	600			1550nm	9.8±0.6μm
	Short term		1500		attenuation dB/km	1310nm	≤0.36
Crush	Long term	N/10cm	300			1550nm	≤0.22
	Short term		1000		Cutoff wavelength nm		≤1260