

Figure 8 GYTC8S Fiber Cable Self-support

The structure of GYTC8S optical cable is that 250 μ m optical fiber is sheathed in a loose tube made of high modulus material, and the loose tube is filled with a waterproof compound. The center of the cable core is a metal reinforcement core (also non-metallic, such as FRP, etc.), and the loose tube (and filler rope) is twisted around the center reinforcement core to form a compact circular cable core. In the form of longitudinal wrapping, a layer of plastic-coated aluminum tape (APL) is added to the outer sheath of the cable core, and finally the polyethylene sheath is extruded together with the steel strand to make the cross-section be an "8" shape.

Place of Origin: Shenzhen, China

Brand Name: OPTICO

Model Number: GYTC8S

Number of Conductors: ≥ 10

Strength number: Corrugated Steel wire

Loose tube: PBT

Applicable mode: Single Mode and Multi Mode

Suspension wire material: steel wire strand

Sheath Material: PE

Return loss: >40dB

Insert loss: <0.1dB

Application: Aerial

Temperature range: -20 $^{\circ}$ ~60 $^{\circ}$ C

Product Name: Figure 8 GYTC8S Stranded Loose Tube Outdoor Optical Fiber

Supply Ability: 3000 km/month

Packaging Details: 2km/fumigated wooden drum, or as required

Port: Shenzhen

Features:

High tensile strength of stranded wires meet the requirement of self-supporting and reduce the installation cost.

Good mechanical and temperature performance

High strength loose tube that is hydrolysis resistant.

special tube filling compound ensure a critical protection of fiber.

The following measures are taken to ensure the cable watertight.

steel wire used as the central strength member,

loose tube filling compound

100% cable core filling

Applications:

Apply to Long distance communication system,

Local area network system and Subscriber network system

Parameters:

		G.652	G.655	50/125 μ m	62.5/125 μ m
Attenuation (+20 $^{\circ}$ C)	@850nm			≤ 3.0 dB/km	≤ 3.0 dB/km
	@1300nm			≤ 1.0 dB/km	≤ 1.0 dB/km
	@1310nm	≤ 0.36 dB/km	--		
	@1550nm	≤ 0.22 dB/km	≤ 0.23 dB/km		

Bandwidth	@850			≥500MHZ·km	≥500MHZ·km
(Class A)	@1300			≥1000MHZ·km	≥600MHZ·km
Numerical aperture				0.200±0.015NA	0.275±0.015NA
Wavelength		≤1260nm	≤1480nm		

Structure Specification:

Cable Models	Fiber No.	Diameter (mm)	Weight (Kg/km)	Hanging wire diameter	Connection part diameter (mm)	Max tensile force (N) Long-term/short-term
GYTC8S-2 ~ 60	2 ~ 60	9.5×18.3	218	φ1.0mm×7	3.0×2.5	4000/7500
GYTC8S-62 ~ 72	62 ~ 72	10.5×19.3	240	φ1.0mm×7	3.0×2.5	4000/7500
GYTC8S-74 ~ 96	62 ~ 72	12.5×20.3	280	φ1.0mm×7	3.0×2.5	4000/7500
GYTC8S-98 ~ 120	62 ~ 72	13.5×21.3	320	φ1.0mm×7	3.0×2.5	4000/7500
GYTC8S-122 ~ 144	62 ~ 72	15.0×24.3	350	φ1.0mm×7	3.0×2.5	4000/7500