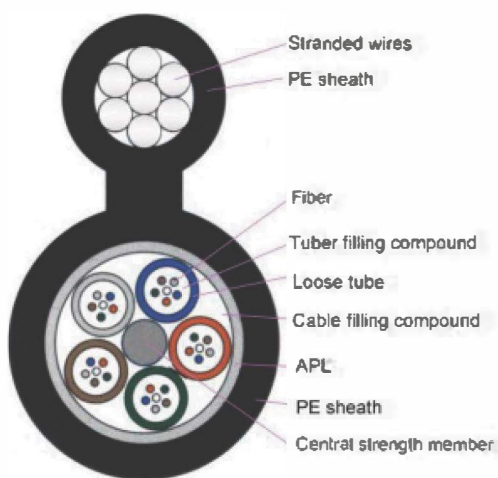


## Cable GYTC8S

The fibers, 250µm , are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. A steel wire locates in the center of core as a metallic strength member. The tubes (and fillers) are stranded around the strength member into a compact and circular cable core. After an Aluminum Polyethylene Laminate (APL) moisture barrier is applied around the cable core, this part of cable accompanied with the stranded wires as the supporting part are completed with a polyethylene (PE) sheath to be figure 8 structure.

### MAINTRONICS



### Characteristics

- 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;

### Standards

GYTC8A cable complies with Standard YD/T 1155-2001 as well as IEC 60794-1.

### Optical Characteristics

		G652	G655	50/125 µm	62.5/125 µm
Attenuation (+20°C)	@850nm			≤3.0 dB/km	≤3.0 dB/km
	@1300nm			<1.0 dB/km	<1.0 dB/km
	@1310nm	≤0.36 dB/km	≤0.40 dB/km		
	@1550nm	≤0.22 dB/km	≤0.23dB/km		
Bandwidth (Class A)	@850			≥500 MHz· km	≥200 MHz· km
	@1300nm			≥1000 MHz· km	≥600 MHz· km
Numerical Aperture				0.200±0.015NA	0.275±0.015NA
Cable Cut-off Wavelength		≤1260nm	≤1480nm		



## Cable GYTC8S

### Environmental Characteristics

Storage Operating Temperature: -40° C / 70° C

### Geometrical Characteristics

Cable count: 24-96

Cable Dimension (mm): 14.5 - 15.5

Cable Weight (kg/Km): 210-245

### Mechanical Characteristics

Tensile strenght (N):	1000 (Long Term) 3000 (Short Term)
Crush Resistance (N/100mm):	1000 (Long Term) 3000 (Short Term)
Bending Radius (MM):	Dynamic (20times cable diameter) Static (10times cable diameter)