

## Stranded Loose Tube Optical Fiber Cable GYFTS/GYTS (2-576 cores)

### Application

**Installation applicable:** Aerial, duct.

**Structural features:** Non-metallic (FRP)/ Metallic (phosphate steel wire) central strength member, double plastic-coated corrugated steel tape-PE laminated outer sheath.

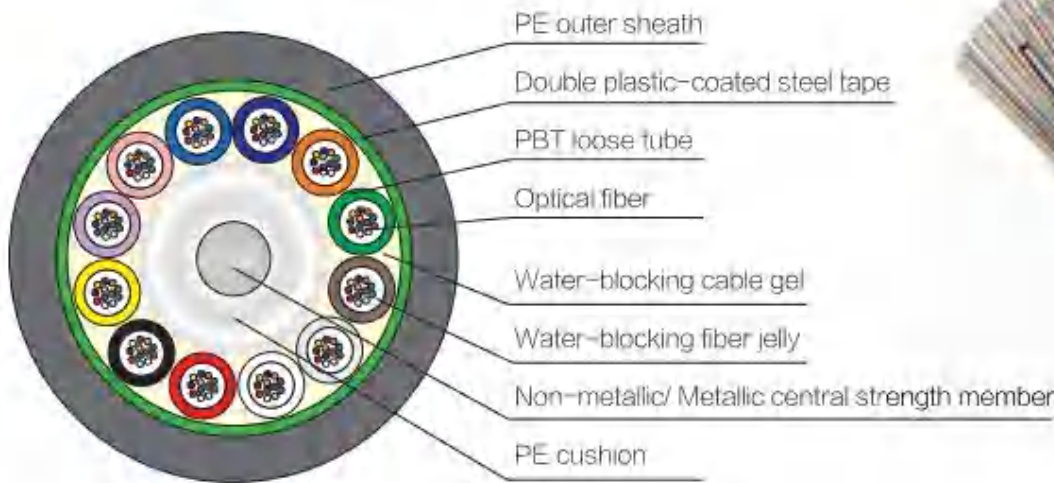
**Performance characteristics:** stranded loose tube optical fiber cable has excellent crush resistance with steel tape armor, sound bullet-proof performance.

**Application:** Long-haul communication, interoffice communication, especially suitable for application with high requirement of crush resistance like aerial installation.

**Fiber Type:** G652D; G655C; 657A1; 50/125; 62.5/125; OM3; OM4 As Options

### Features

- 1.Up to 144 fiber cores.
- 2.The loose tube stranding technology make the fibers have good secondary excess length and allow
- 3.The fibers free movement in the tube, which keeps the fiber stress-free while the cable is subjected to longitudinal stress.
- 4.Corrugated steel tape armored and PE outer sheath providing property crush resistance and gun shot resistance features.
- 5.Metal strength member provides excellent strain performance.
- 6.Low dispersion and attenuation
- 7.Proper design, precise control for fiber excess length and distinct stranding process render the cable excellent mechanical and environmental properties
- 8.The armoring of corrugated steel tape make cable have nice properties of moisture resistance and crush resistance
- 9.With small cable diameter, light cable weight, easily to lay
- 10.The jacket also can be made of HFFR, which cable model is GYTZS
- 11.Operating Temperature : -40 ~ +60 C



### Parameters

Fiber count	Cable O.D(mm)	Cable weight(kg/km)	Minimum bending radius		Tension allowed(N)		Crush resistance	
			Static	Dynamic	Short term	Long term	Short term	Long term
2- 30	8.8	83	10times O.D	20 times O.D	1500	600	1000	300
32- 36	9.1	97						
38- 60	9.2	98						
62-	9.7	113						

72							
74-96	10.9	130					
98-120	12.2	155					
122-144	13.4	186					
146-216	13.9	200					
218-240	15.6	250					
242-288	15.6	252					
290-432	16.3	274					
576	18.6	377					