

Stranded Loose Tube Double Sheath Optical Fiber Cable GYFTA53 / GYTA53 (2-432 cores)

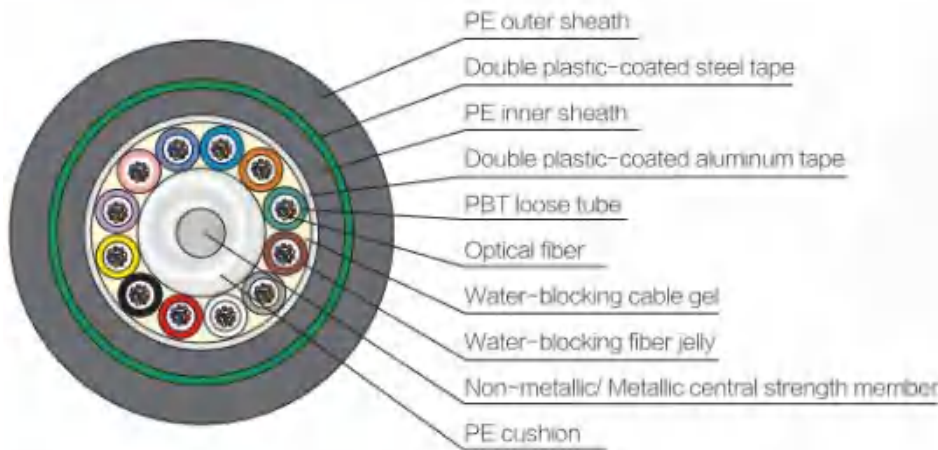
Application

Installation: Direct-burial.

Structural features: Non-metallic (FRP)/ Metallic (phosphated steel wire) central strength member, double plastic-coated aluminum tape- PE bonded inner sheath, double plastic-coated corrugated steel tape- PE bonded outer sheath.

Performance characteristics: Excellent water- resistant performance with double plastic-coated aluminum tape-PE bonded inner sheath, double armored protective layers provide excellent performance of crush resistance and effective rodent prevention.

Application: Long-haul communication, interoffice communication, especially suitable for application with high requirements of anti-moisture, anti-rodent and so on.



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

Main Features

- Accurate control of fiber excess length and SZ stranded method to ensure that the cable has excellent mechanical and environmental performance.
- The material of the loose tube is with excellent hydrolysis resistant performance and high tensile strength, and the tube is filled with special fiber grease in order to provide crucial protection for the fiber.
- The structure of double-layer armoring and double-layer sheathing improves the cable's performance of pressure resistance, bulletproof, moisture resistance, and effectively prevents the cable from rodent bite.
- Following methods are adopted to ensure the cable's excellent water-resistant performance:
 - Single steel wire central reinforcement.
 - The loose tube is filled with special waterproof compounds.
 - Cable core is filled with special grease.
 - Coated APL moisture-resistant layer.
 - Two-side coated PSP moisture-resistant layer.
 - Good water-blocking material to prevent the cable from vertical water penetration.

Technical parameters

Fiber count	Cable O.D (mm)	Cable weight (kg/km)	Minimum bending radius		Tension allowed(N)		Crush resistance(N)	
			Static	Dynamic	Short term	Long term	Short term	Long term
2-36	13.6	220	12.5 times O.D	25 times O.D	3000	1000	3000	1000
38-60	14.1	225						
62-72	14.6	255						
74-96	16.2	305						
98-120	17.7	350						
122-144	19.1	395						
146-216	19.6	420						

218-240	22.8	530						
242-288	25.0	620						
290-432	22.4	495						