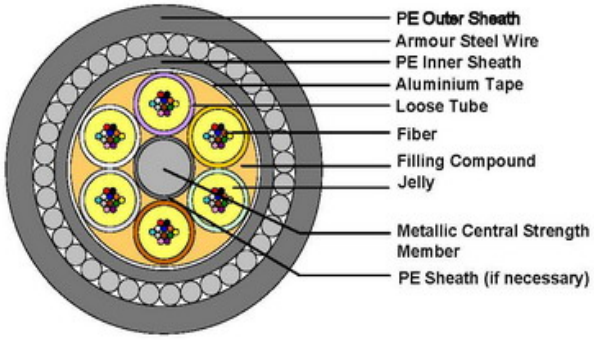
GYTA33
Loose tube stranded direct-burial cable with steel wires enhanced

Cable type: GYTA33

Configuration: Central and Circumferential Strength Member, Loose tube, Gel filled within cable core, Aluminium tape with PE inner sheath, Steel wires spiral layer with PE outer sheath.



Application

Large mechanical tensile strength, good moisture repellent, tension, press, impact properties. Adopted for severe environmental condition such as steep slope and torrential river.

Design

Low attenuation, low dispersion, stable control of Fiber excess length and stable cabling workmanship make the optical cable perfect mechanical and environmental properties. Longitudinally overlapping aluminium tape covered with PE sheath provide a perfect moisture-proof property. Armoured with spirally applied steel wires enhanced the tension, press, impact properties.

Technical parameters								
Fiber range	Outer diameter (mm)	Cable weight (kg/km)	Min. bending radius		Max. tensile strength (N)		Max. crush load (N/100mm)	
			Static	Dynamic	Short term	Long term	Short term	Long term
2 - 24	19.30	770	12.5 times cable diameter	25 times cable diameter	20000	10000	5000	3000
26 - 36	20.00	810			20000	10000	5000	3000
38 - 60	20.80	870			20000	10000	5000	3000

Variables in the Model number: GYTA33-OP-XXX

XXX= Total Fiber Count

OP= Fiber Grade

8H (9.0/125um)
6F (62.5/125um)
5H (50/125um)
OM3 (50/125um)

Operational temperature : -40℃ to +70℃

Within this temperature range, the attenuation variation will not exceed 0.05dB/km at 1310nm and 1550nm.

Electrical properties

Insulation resistance of outer sheath: test cable soaked into the water after 24 hours, no less than 2KM Ω/km (under 500VDC)

Dielectric strength of outer sheath: test cable soaked into the water after 24 hours, no less than 15KV DC (2min).