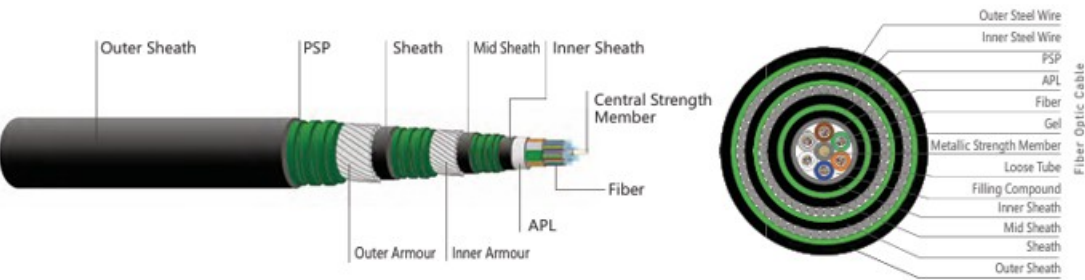


UNDERWATER OPTICAL FIBER CABLE (GYTS33 / GYTA33)

Double Armored Submarine Fiber Cable – High Reliability for Harsh Environments

Outdoor Under Water Optic Fiber Cable-GYTS33/GYTA33

Photo



APPLICATION

- Underwater installation (sea, river, lake)
- Port and offshore networks
- Harsh environment (tunnel, sewer)
- Long-distance backbone communication

KEY FEATURES

- Double steel wire armored protection
- PSP / APL laminated layer
- Excellent water blocking
- High tensile strength
- Suitable for deep and harsh environments

CABLE CONSTRUCTION

Component	Specification
Fiber Type	OS2 Single mode
Structure	Stranded loose tube
Strength Member	Central metallic strength member
Armor	Double Steel Wire + PSP/APL
Water Blocking	Filling compound + tape
Sheath	PE (multi-layer)

STANDARDS

YD/T 901-2009
GB/T 9771-2008

OPTICAL PERFORMANCE

CASITEK | Underwater Optical Fiber Cable - GYTS33 / GYTA33

Parameter	1310 nm	1550 nm
Attenuation (dB/km)	≤0.35	≤0.22

SPECIFICATION

Type	Diameter (mm)	Weight (kg/km)
GYTS33-36B1	16.3	494
GYTS33-36B1 (Heavy)	23.1	1243
GYTA33-36B1	19.7	667
GYTA33-36B1 (Heavy)	26.1	1520

INSTALLATION & MECHANICAL

Type	Bending Radius	Tension (N)	Crush (N/100mm)
GYTS33	30D / 15D	10000	5000
GYTS33 Heavy	30D / 15D	20000	6000
GYTA33	30D / 15D	10000	6000
GYTA33 Heavy	30D / 15D	20000	7000

PERFORMANCE TABLE (SUMMARY)

Test	Standard	Result
Tensile Test	IEC	Pass
Crush Test	IEC	Pass
Water Blocking	IEC	Excellent
Submarine Use	Internal	High Reliability