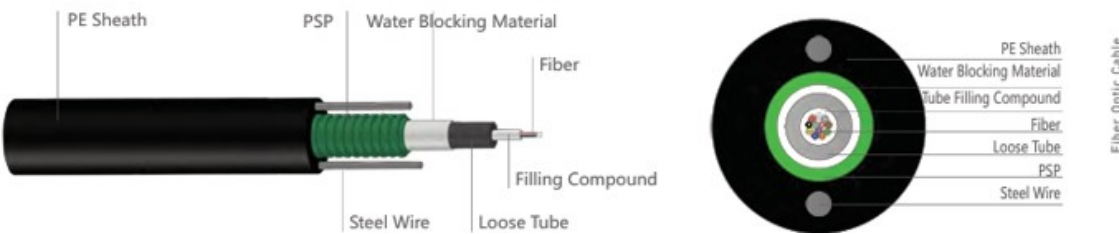


CENTER BUNDLE LIGHT ARMORED OPTICAL FIBER CABLE (GYXTW)

Outdoor Communication Cable – Loose Tube Steel Armored

Center Bundle light Armored Optical Fiber Cable - GYXTW

Photo



APPLICATION

- Outdoor fiber communication
- Access networks
- Backbone transmission
- Duct / aerial / direct burial installation

KEY FEATURES

- Loose tube structure with filling compound
- PSP armored protection
- Excellent water blocking performance
- Steel wire strength member
- Suitable for harsh environments

CABLE CONSTRUCTION

Component	Specification
Fiber Count	2–12 cores
Loose Tube	PBT
Tube Diameter	3.0 mm
Strength Member	2 Phosphating Steel Wires
Armor	PSP
Steel Wire Diameter	0.9 mm
Outer Sheath	PE
Water Blocking	Filling Compound + Tape

STANDARDS

YD/T 769-2019
GB/T 9771-2008
TIA/EIA-598

INSTALLATION

Type	Diameter (mm)	Cores	Installation
GYXTW	8-9	2-12	Duct / Aerial / Direct Burial

OPTICAL PERFORMANCE

Parameter	OS2	OM1	OM2	OM3/OM4
Wavelength (nm)	1310/1550	850/1300	850/1300	850/1300
Attenuation (dB/km)	≤0.35/0.22	≤3.5/2.2	≤3.5/2.2	≤3.0/3.0
Bandwidth (MHz·km)	—	≥200/200	≥500/500	≥2000/500

MECHANICAL PERFORMANCE

Parameter	Value	Condition
Tensile Strength	≤1500N	Installation
Tensile Strength	≤600N	Operation
Crush Resistance	≤1000N	Short term
Crush Resistance	≤300N	Long term

PERFORMANCE TABLE (SUMMARY)

Test	Standard	Result
Tensile Test	IEC	Pass
Crush Test	IEC	Pass
Water Blocking	IEC	Excellent
Environmental	IEC	Outdoor Ready