

# ARMORED 24 CORE, 4000M

## DESCRIPTION

GYXTW is a type of armored fiber optic cable with a water blocking system layer and corrugated steel tape. The loose tube containing a special gel in this cable ensures that the optical fiber (core) inside is protected from moisture and has sufficient length and space so that it is free from longitudinal Cable jacket made of MDPE plus two parallel wires (steel wire strength members) inside This cable protects loose tubes and optical fibers from excessive pressure during the installation process and makes this cable have flexibility and good bending performance. This GYXTW cable is available in single mode or singlemode with a choice of 2 cores, 4 cores, 6 cores, 12 cores or 24 core



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### Cable parameters :

Item	Parameters	
Fiber type	G652D	
Fiber count	24	
Structure	SINGLE	
Loose tube	Material	PBT
	Outer diameter	1.8±0.05 mm   2.0±0.05 mm
	Thickness	≥0.3 mm
	Filler	Fiber jelly
	Fiber count/tube	4 / 6   12
	Number	1
Strength member	Material	STEEL WIRE
	Outer diameter	0.75mm*2PCS
Water blocking system	Material	Water blocking Jelly
Steel tape armor		
Ripcord	Material	Plastic thread
	Number	1
Out sheath	Material	UV-Proof, black, PE
Cable outer diameter		6.5±0.3 mm

### Fiber characteristics

Description	Specifications	
Attenuation	@ 1310 nm	< 0.35 dB/KM
	@ 1550 nm	< 0.22 dB/KM
Cladding Diameter	125±0.7 μm	
Cladding Non-Circularity	< 0.8 %	
Mode Field Diameter	@ 1310 nm	9.2±0.4 μm
Cable Cutoff Wavelength(λ <sub>cc</sub> )	< 1260 nm	
Attenuation vs. Wavelength	≤ 0.05 dB/km	
Zero Dispersion Wavelength (nm)	1300nm-1324nm	
Zero Dispersion Slope	≤0.092 ps/nm <sup>2</sup> .km	

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No	1	2	3	4	5	6	7	8	9	10	11	12
Fiber	Blue	Orange	Green	Brown	Gray	White	Red	Black	yellow	violet	Pink	Aqua
Color	Blue	Orange	Green	Brown	Gray	White	Red	Black	yellow	violet	Pink	Aqua

Tube No.	At W.I.	BL.	OR.	GR.	BR.	SL.	WH.	RD.	BK.	YL.	VI.	RS.	AQ.
WH.	1310nm	0.334	0.335	0.334	0.332	0.336	0.333	0.337	0.336	0.335	0.336	0.332	0.332
	1550nm	0.190	0.189	0.188	0.187	0.189	0.185	0.195	0.187	0.188	0.187	0.189	0.187
Conclusion		OK											

According to the customer required color scheme too.

