

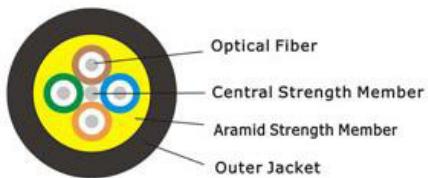
# Outdoor/Indoor Optical Cable

## (5mm)

Particularly designed for the quick and iterative distributing & retrieving under the circumstances of military field and harsh environment, nonmetal cable is light, portable, flexible, bendable, oil-resistant, rubbing-resistant, flame retardant, with high tensile, high crush resistance and wide operating temperature. It can be used under the following situations: quick deployment and iterative distributing-retrieving of military field communication system; cable deployment of radar, aviation and naval vessel; complicated circumstances of oil field, mining, harbors, TV re-broadcasting, communication emergency repairing.

### Product Features:

- With  $\Phi 0.9\text{mm}$  tight buffer fiber inside, it adopts compact all dielectric distribution configuration, which provides the optical fiber with extremely high strength and makes the cable deploying or iterative distributing-retrieving faster.
- High intensity optical fiber coating with compound structure guarantees cable's stability and durability under complex situations by offering best temperature and minimal attenuation.
- Composed of high-intensified and flexible FRP, central strengthen member ensures the intensity and bending features of optical cable.
- A large scope aramid yarn ensures optical fiber with extremely high mechanical intensity
- SZ stranded technology strengthens cable, and marking it with high mechanical and transmission performance.
- Flame retardant PU, polyester elastomer guarantees structure stability and features of crush-resistant, rubbing-resistant, oil-resistant and flame retardant.
- RoHS compliant.



Distribution tactical fiber optic cable



### Specification

Item No.	Item			Parameter	
1	Number of Fiber			2~4	
2	Outer Diameter (mm)			$5.0 \pm 0.2$	
3	Weight (kg/km)			$\leq 25$	
4	Tight Buffer (um)			900	
5	Typical Attenuation (dB/km)	Single Mode	1310nm	$\leq 0.5$	
			1550nm	$\leq 0.4$	
		Multi Mode	850nm	$\leq 3.2$	
			1300nm	$\leq 1.0$	
6	Tension Strength (N)			1300	
7	Staving (N/10cm)			1000	
8	Impact (N*m)			4.5	
9	Repeatedly Bending (times)			1000 (R=50m)      1000 (R=55mm)	
10	Flame Retardant			Comply with IEC 60332	
11	Operating Temperature ( $^{\circ}\text{C}$ )			-45 ~ +70	
12	Loading Length			1000M others depend on client's	

Notes: other optical performances , mechanical performances and environmental performances are all meet the national military standard of GJB 1428A.