

Armored Tactical Optical Fiber Cable (AT-4CATF)

Product Overview

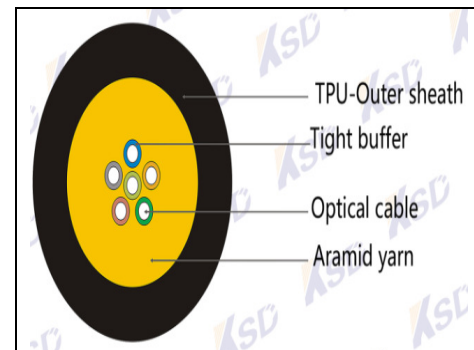
Specifically for field wiring and complexity of environment, designed for repeated retractable conditions application, light weight, anti-tension, compression and strong; softness; easy to bend; abrasion, flame retardant, suit for widely range temperature. Communication systems for military field wiring or repeated rapid retractable; radar, aviation and ship wiring; oilfield, mine, port, broadcast live on television, communication line repair, and other harsh conditions of the occasion.

Features

- Wiring compact all-dielectric structure, the inner sleeve is $\Phi 0.9\text{mm}$ fiber, the cable has a high strength-weight ratio, allowing for quick wiring;
- High-strength fiber composite structure secondary coating offers the best performance and minimum temperature of the additional attenuation cables in harsh conditions to ensure the reliability and service life;
- A special high-strength, flexible type central reinforcing element, to ensure fiber strength and bending properties;
- Large area of aramid and armored reinforced fiber optic cable to provide a high mechanical strength;
- Small tight pitch SZ stranded helical twisted fibers and aramid fibers single combined to ensure the field fiber optic cable has greater tensile strain capacity;
- Environmental friendly, Comply with RoHS.

Applications

- Military Communications
- Coal, oil, natural gas, etc.
- Geological exploration Communications
- Broadcast television,
- Emergency reopened optical fiber communication



ANDA Telecom Pvt. Ltd.

Registered office : E-36, Amar Colony, Lajpat Nagar-IV, New Delhi - 110024, INDIA

Phone : +91 11 41323629, +91 95 302 57173

E-mail : Info@andatelecomindia.com

URL : www.andatelecomindia.com

Specification

<u>Ser No</u>	<u>Specifications</u>	
	Type of Fibre	Single mode 0.25mm Colored fiber Single mode:G652D,G657A1,G657A2,G657B3,
	Fiber color	Blue· Yellow· Orange· Green· White· Brown
	Number of Fiber	4
	Wavelength	1310/1550nm
	Attenuation	Max 0.36 dB/Km - 1310 nm Max 0.25 dB/Km - 1550 nm
	Tensile strength	> 900 N
	stainless steel flexible hose	SUS200CU
	Outer sheath	flame retardant TPU sheath
	Operating Temperature	-40°C~+85°C
	Storage Temperature	-40°C~+85°C
	Other Environmental specifications	90% humidity or better, Water resistant, Dust proof connectors. The cable alongwith connectors should be able to withstand water immersion of 2 Meters.
	Sheathed flame retardancy	Flammability class :- UL94V-0
	Reference standard	International, the line, GB/T 7424.1-2003; YD/T 1258.4-2005 mark: GJB 1428B-2009 Cable general specification
	Crushing Resistance	> 1000 N/cm
	Bending radius	Short Term < 4.6 cm Long term < 10 cm
	Impact Resistance	200 Impacts (minimum)
	Flex Resistance	2000 cycles (minimum)
	Weight/ Km	30 Kgs + 10% per km
	Single Drum Capacity	1000 mts ± 200mts or less
	Diameter	5.0-6.0mm ± 0.2m
	Mounting	Vehicle mounting Desirable Man pack – essential

ANDA Telecom Pvt. Ltd.

Registered office : E-36, Amar Colony, Lajpat Nagar-IV, New Delhi - 110024, INDIA

Phone : +91 11 41323629, +91 95 302 57173

E-mail : Info@andatelecomindia.com

URL : www.andatelecomindia.com

Material Used	Polyurethane jacketed or better for abrasion, cut and chemical resistance. Ultraviolet, Chemical, Oil and Fungus resistant.
Armouring	Stainless steel Rugged loose buffered stainless steel tube cross-section design with outer sheath of poly-urethane/PVC/polyamide jacket and armouring to be done with stainless steel wire.
Connector Type	Mil standard with SC/FC patch connectors or better at both ends for interconnection and termination on switch. (The connectors to be prefitted)
	(i) Coupling endurance -3000 couplings
	(ii) Water immersion – 2 Meters
	(iii) Humidity – 90%
	(iv) Impact Resistance- 500
	(v) Should be expended beam type
Standards to be met	(vi) Military grade (Mil-C-83522B)
	ITU-T G.652 for OFC, IEC 60794-1-2 E1 to E11 for mechanical characteristics of OFC, IEC 60794-1-2-f1 for environmental features
Water resistant carry bag for each drum for ease of handling	

Ordering Information

Model No	Description
AT-4CATF	4 Core Armoured Tactical Optical Fiber
AT-8CATF	8Core Armoured Tactical Optical Fiber

ANDA Telecom Pvt. Ltd.

Registered office : E-36, Amar Colony, Lajpat Nagar-IV, New Delhi - 110024, INDIA

Phone : +91 11 41323629, +91 95 302 57173

E-mail : Info@andatelecomindia.com

URL : www.andatelecomindia.com