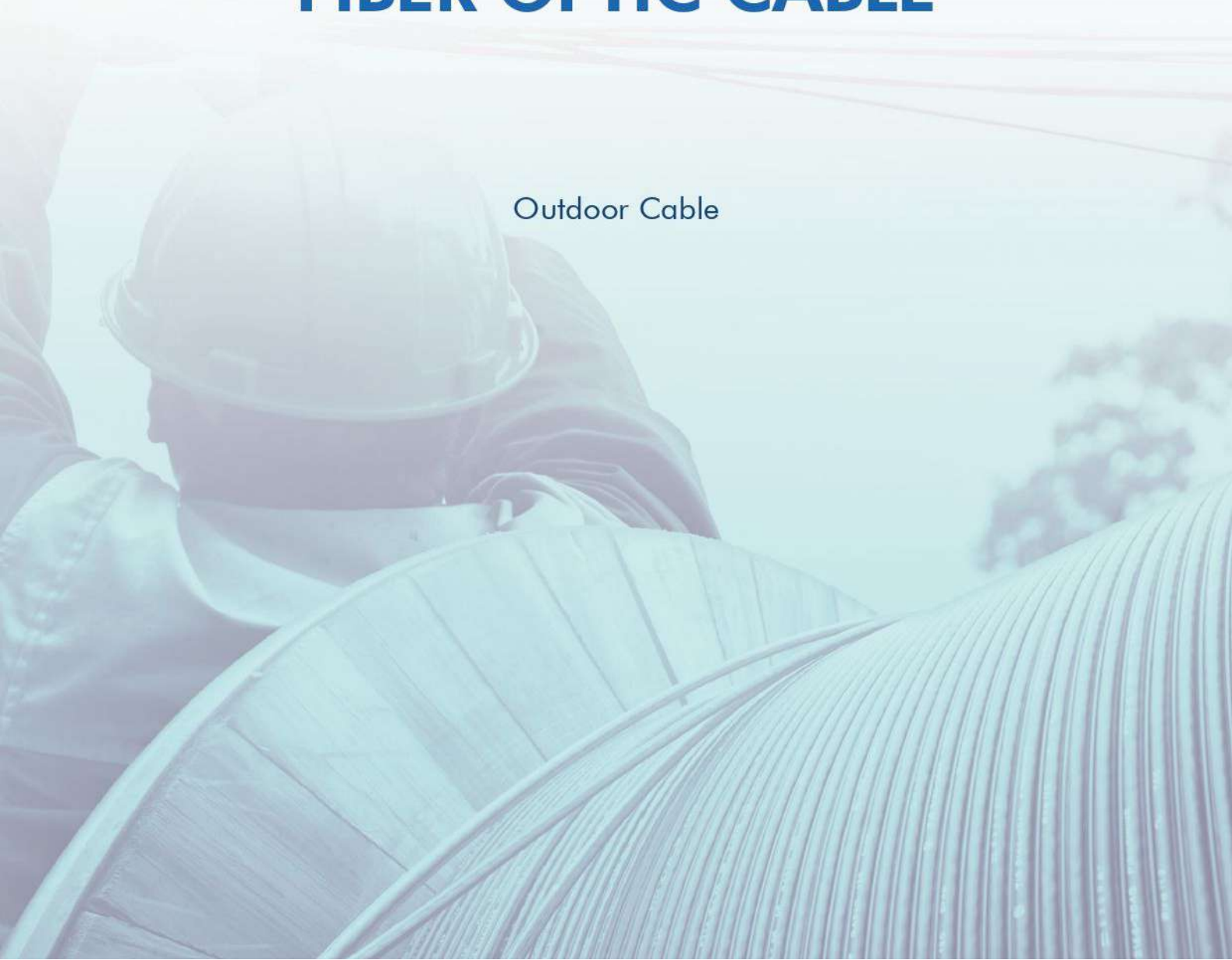




TECHNICAL DATASHEET

GYTS OUTDOOR FIBER OPTIC CABLE

Outdoor Cable



GYTS Stranded Loose Tube Armored Cable

GYTS outdoor fiber optic cable is used for duct and aerial applications. We supply single mode GYTS fiber optical cable and multimode GYTS fiber optical cable, fiber strand from 2 cores to 432 cores. A related GYTA type cable is available.

Fiber optic cable GYTS, 2~144 fibers central strength member (steel), jelly filled, fiber contained loose tube and PP filler (if necessary) stranded, water blocking jelly, longitudinally covered by copolymer steel tape, PE outer sheath. G652D SM fiber, detailed specification on your request.



Features

- Up to 144 fiber cores.
- Good mechanical and temperature performance
High strength loose tube that is hydrolysis resistant
- Special tube filling compound ensure a critical protection of fiber
- Specially designed compact structure is good at preventing loose tubes from shrinking PE sheath protects cable from ultraviolet radiation
- The following measures are taken to ensure the cable watertight
- Steel wire used as the central strength member
Loose tube filling compound 100% cable core filling APL moisture barrier

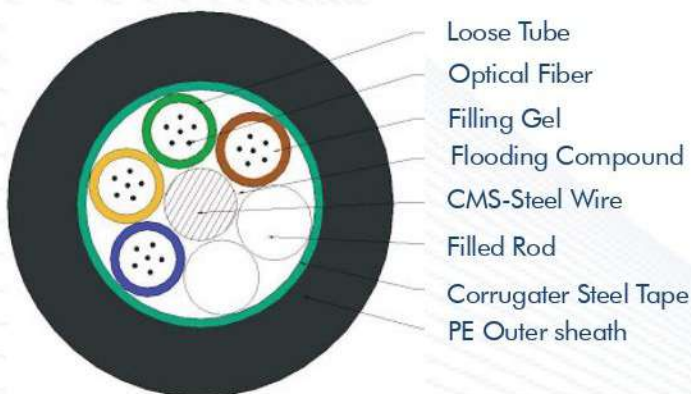
Application

These corrugated steel tape armored cables are suitable for installation in aerial or duct environment for long haul communication, LAN.

What is Differences between GYTS optical cable and GYTA optical cable?

GYTS cable is universal optical cable; it can be used in aerial, duct and direct-buried while GYTA can be used in aerial cable and duct cable not in direct-buried cable. The S in GYTS refers to steel strip which can sustain large pulling force, the A in GYTA refers to Aluminum strip which has better anti-rust and moisture resistance than steel strip, therefore, GYTA cable has longer service life when used in duct transmission. Choose GYTS cable when tensile strength is needed.

Inner Structure-GYTS



Standards

Reference with Standard YD/T901-2009 as well as IEC 60794-1

Technical parameters

Cable Type	Fiber Count	Tubes	Fillers	Cable Diameter mm	Cable Weight Kg/Km	Tensile Strenght Long/Short term N/100mm	Crush Resistance Long/Short term N/100mm	Bending Radius Dynamic / Static mm
GYTS-2-6	2-6	1	4	8.9	74/88	600/1500	300/1000	10D/20D
GYTS-8-12	8-12	2	3	8.9	74/88	600/1500	300/1000	10D/20D
GYTS-14-18	14-18	3	2	8.9	74/88	600/1500	300/1000	10D/20D
GYTS-20-24	20-24	4	1	9.5	74/88	600/1500	300/1000	10D/20D
GYTS-26-30	26-30	5	0	9.5	74/88	600/1500	300/1000	10D/20D
GYTS-32-36	32-36	6	0	9.5	82/97	600/1500	300/1000	10D/20D
GYTS-38-48	38-48	4	1	9.5	82/97	600/1500	300/1000	10D/20D
GYTS-50-60	50-60	5	0	9.5	82/97	600/1500	300/1000	10D/20D
GYTS-62-72	62-72	6	0	10.0	98/114	600/1500	300/1000	10D/20D
GYTS-74-84	74-84	7	1	11.2	110/129	600/1500	300/1000	10D/20D
GYTS-86-96	86-96	8	0	11.2	110/129	600/1500	300/1000	10D/20D
GYTS-98-108	98-108	9	1	12.5	137/161	600/1500	300/1000	10D/20D
GYTS-110-120	110-120	10	0	12.5	137/161	600/1500	300/1000	10D/20D
GYTS-122-132	122-132	11	1	13.8	163/189	600/1500	300/1000	10D/20D

NOTE

1. D refers to the cable diameter;
2. The relevant technical Parameters canbe adjusted according to the customer's demands;
3. The block water way can be adjustedaccording to the customer's demands;
4. The design flame resistance,anti-rodent, termite resistant cable according to the customer's demands.

Temperature

Storage/Operating Temperature: -40°C to +70°C

Fiber Parameter

N°	Item	Test Standard
1	Core noncircularity	$\leq 6\%$
2	Cladding diameter	$125.0 \pm 0.7 \mu\text{m}$
3	Core/cladding concentricity error	$\leq 0.6 \mu\text{m}$
4	Cladding noncircularity	$\leq 1.0\%$
5	Coating diameter	$245 \pm 10 \mu\text{m}$
6	Coating/cladding concentricity error	$\leq 12 \mu\text{m}$
7	Attenuation coefficient	$1310\text{nm} \leq 0.35\text{dB/km}$
		$1550\text{nm} \leq 0.21\text{dB/km}$
8	Zero dispersion slope	$\leq 0.092\text{ps}/(\text{nm}^2 \cdot \text{km})$
9	Zero dispersion wavelength	$1300 \sim 1324\text{nm}$
10	Polarization mode dispersion	$\leq 0.20 \text{ps}/\sqrt{\text{km}}$
11	Mode field diameter	$1310\text{nm}: 9.0 \pm 0.4 \mu\text{m}$
12	Cut-off wavelength	$1170 \sim 1330\text{nm}$
13	Chromatic dispersion	$1288 \sim 1339\text{nm} \leq 3.4\text{ps}/(\text{nm} \cdot \text{km})$
		$1550\text{nm} \leq 18 \text{ps}/(\text{nm} \cdot \text{km})$
		$1625\text{nm} \leq 22 \text{ps}/(\text{nm} \cdot \text{km})$

Cable Structure Parameter

N°	Item	Parameter	
1	Fiber count per tube	12	
2	Tube diameter	1.9mm	
3	Wire diameter	1.50mm	
4	Cable area	12 ~ 48 cores	70.88 mm ²
		96 cores	98.52 mm ²
		192 cores	147.41 mm ²