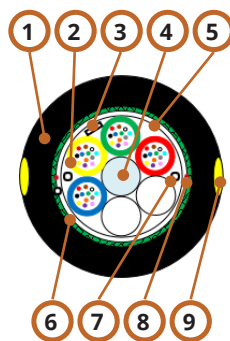
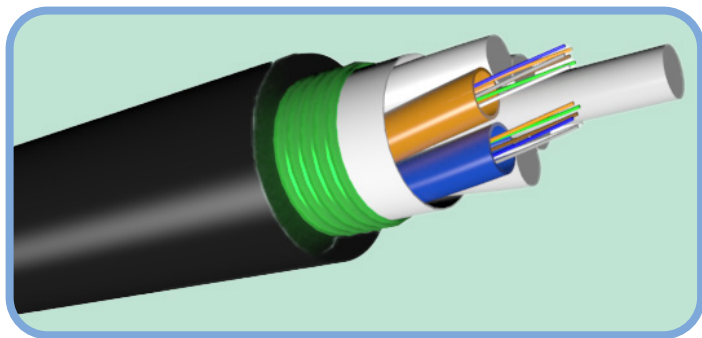


Anti-Rodent/Bullet Proof Duct Optical Fiber Cable



Technical Characteristics

- The unique extruding technology provides the fibers in the tube with good flexibility and bending endurance
- The unique fiber excess length control method provides the cable with excellent mechanical and environmental properties
- Multiple water blocking material filling provides dual water blocking function

Construction:

1. Outer sheath (**MDPE, Black**)
2. Loose tube (PBT), fiber and jelly
3. ID tape and cable jelly
4. Center strength member (FRP)
5. Water blocking tape
6. Armor (Corrugated steel tape)
7. Binder yarn
8. Ripcord*2 (**Breaking load≥150N**)
9. Optional: Yellow stripe *2 (**Width: approx. 3.0mm**)

Dimension and Properties		GYFTY-4/8/12/24/36/48B1.3					
Physical	Fiber count (G.652D)	4	8	12	24	36	48
	No. of loose tube/filler(PP)	1/5	1/5	2/4	2/4	3/3	4/2
	Fiber No. per tube	4	8	6	12	12	12
	Loose tube/filler diameter	2.1±0.1mm					
	Loose tube thickness	0.30±0.05mm					
	Central strength member diameter	FRP 2.2±0.1mm					
	Pitch length	70-75mm					
	S-Z stranded length	700mm					
	Armor	Steel tape thickness: ≥0.12mm Coated polymer thickness: nom. 0.05mm(both sides)					
	Outer sheath thickness	Nom. 1.5mm (Density 0.926 – 0.940g/cm3 or better, Carbon black ≥2%)					
	Stripe color	Yellow RAL 1026					
	Cable OD	10.9mm±5%					
	Cable weight	125kg/km±15%					
	Operation temperature range	-30 deg C to + 70 deg C					
	Installation temperature range	-15 deg C to + 60 deg C					
	Transport and storage temperature range	-40 deg C to + 70 deg C					
Mechanical	Max. tensile load	2000N					
	Crush resistance	2200 N/10cm					
	Minimal installation bending radius	20 x OD					
	Minimal operation bending radius	10 x OD					

STANDARD:

IEC 60793-1, IEC 60793-2, IEC 60794-3-10, ITU-T G.650,
ITU-T G.652



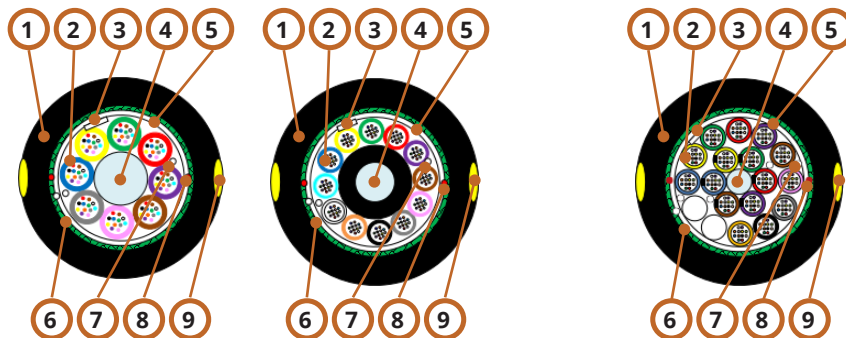
CABLETECH

Co No.: 202301037338 (1531261-T)

Anti-Rodent/Bullet Proof Duct Optical Fiber Cable

Construction:

1. Outer sheath (MDPE, Black)
2. Loose tube (PBT), fiber and jelly
3. ID tape and cable jelly
4. Center strength member (FRP)
5. Water blocking tape
6. Armor (Corrugated steel tape)
7. Binder yarn
8. Ripcord*2 (**Breaking load $\geq$ 150N**)
9. Optional: Yellow stripe *2 (**Width: approx. 3.0mm**)



Dimension and Properties		GYFTS-96B1.3	GYFTS-144B1.3	GYFTS-192B1.3	GYFTS-384B1.3
Physical	Fiber count (G.652D)	96	144	192	384
	No. of loose tube/filler (PP)	8/0	12/0	6+10/2	6+10/2
	Fiber No. per tube	12	12	12	24
	Loose tube/filler diameter	2.1 $\pm$ 0.1mm			2.8 $\pm$ 0.1mm
	Loose tube thickness	0.30 $\pm$ 0.05mm			
	Central strength member diameter	3.5 $\pm$ 0.2mm	6.3 $\pm$ 0.2mm (FRP 3.5 $\pm$ 0.1mm)	FRP 2.2 $\pm$ 0.1mm	FRP 3.0 $\pm$ 0.1mm
	Pitch length	110-120mm	130-140mm	Inner layer 90-95mm, Outer layer 130-140mm	Inner layer 110-120mm, Outer layer 160-170mm
	S-Z stranded length	1100mm	1300mm	Inner layer 900mm, Outer layer 1300mm	Inner layer 1100mm, Outer layer 1600mm
	Armor	Steel tape thickness: $\geq$ 0.12mm Coated polymer thickness: nom. 0.05mm (both sides)			
	Outer sheath thickness	Nom. 1.5mm (Density 0.926 – 0.940g/cm ³ or better, Carbon black $\geq$ 2%)			
	Stripe color	Yellow RAL 1026			
	Cable OD	12.2mm $\pm$ 5%	15.0mm $\pm$ 5%	15.1mm $\pm$ 5%	18.7mm $\pm$ 5%
	Cable weight	155kg/km $\pm$ 15%	215kg/km $\pm$ 15%	184kg/km $\pm$ 15%	460kg/km $\pm$ 15%
	Operation temperature range	-30 deg C to + 70 deg C			
	Installation temperature range	-15 deg C to + 60 deg C			
	Transport and storage temperature range	-40 deg C to + 70 deg C			
Mechanical	Max. tensile load	2000N			
	Crush resistance	2200 N/10cm			
	Minimal installation bending radius	20 x OD			
	Minimal operation bending radius	10 x OD			

STANDARD:

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