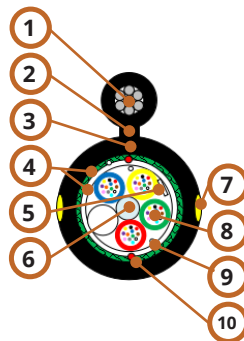
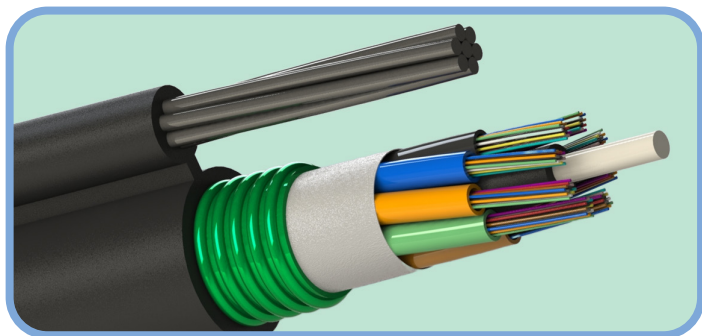


Anti-rodent/Bullet Proof Figure-8 Optical Fiber Cable



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. Messenger wire (Galvanized steel wire) | 6. Center strength member (FRP) |
| 2. Web (WxH:Nom.2.0mmx2.0mm) | 7. Optional: Yellow stripe *2 (Width: approx. 3.0mm) |
| 3. Outer sheath (MDPE, Black) | 8. Loose tube(PBT), fiber and jelly |
| 4. Water blocking tape & Corrugated steel tape | 9. Binder yarn |
| 5. ID tape and cable jelly | 10. Ripcord*2 (Breaking load≥150N) |

Dimension and Properties		GYFTC8S-4/8/12/24/36/48B1.3					
Physical	Fiber count (G.652D)	4	8	12	24	36	48
	No. of loose tube/filler (PP)	1/4	1/4	2/3	2/3	3/2	4/1
	Fiber No. per tube	4	8	6	12	12	12
	Loose tube/filler diameter	1.8±0.1mm			2.0±0.1mm		
	Loose tube thickness	0.30±0.05mm					
	Central strength member diameter	FRP 1.5±0.1mm					
	Armor	Steel tape thickness: ≥0.12mm Coated polymer thickness: nom. 0.05mm (both sides)					
	Pitch length	60-65mm			70-75mm		
	S-Z stranded length	600mm			700mm		
	Messenger wire	Nom.4.76mm (Nom1.6mm*7) Strand's lay pitch≤76.16mm (16*4.76mm)					
	Messenger outer sheath thickness	Nominal 1.0mm					
	Outer sheath thickness	Nom. 1.5mm(Density 0.926 – 0.940g/cm³ or better, Carbon black ≥2%)					
	Stripe color	Yellow RAL 1026					
	Cable OD (WxH)	(9.6mm±5%) x (18.4mm±5%)			(10.0mm±5%) x (18.8mm±5%)		
	Mechanical	Cable weight	215kg/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					
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 60794-3-20, ITU-T G.650,
ITU-T G.652



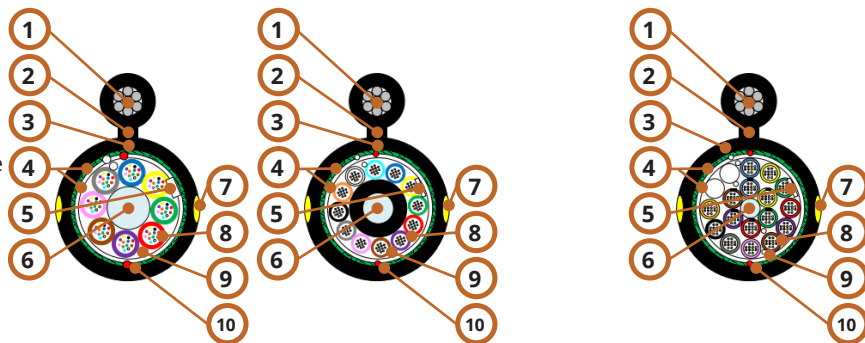
CABLETECH

Co No.: 202301037338 (1531261-T)

Anti-rodent/Bullet Proof Figure-8 Optical Fiber Cable

Construction:

1. Messenger wire
(Galvanized steel wire)
2. Web (WxH:Nom.2.0mmx2.0mm)
3. Outer sheath (**MDPE, Black**)
4. Water blocking tape & Corrugated steel tape
5. ID tape and cable jelly
6. Center strength member (FRP)
7. Optional: Yellow stripe *2
(**Width: approx. 3.0mm**)
8. Loose tube(PBT), fiber and jelly
9. Binder yarn
10. Ripcord*2 (**Breaking load $\geq$ 150N**)



Dimension and Properties		GYFTC8S-96B1.3	GYFTC8S-144B1.3	GYFTC8S-192B1.3	GYFTC8S-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
	Armor	Steel tape thickness: $\geq$ 0.12mm Coated polymer thickness: nom. 0.05mm (both sides)			
	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
	Messenger wire	Nom.4.76mm (Nom1.6mm*7) Strand's lay pitch $\leq$ 76.16mm (16*4.76mm)			
	Messenger outer sheath thickness	Nominal 1.0mm			
	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 (WxH)	(12.2mm $\pm$ 5%) x (21.0mm $\pm$ 5%)	(15.0mm $\pm$ 5%) x (23.8mm $\pm$ 5%)	(15.1mm $\pm$ 5%) x (23.9mm $\pm$ 5%)	(18.7mm $\pm$ 5%) x (27.5mm $\pm$ 5%)
	Cable weight	279kg/km $\pm$ 15%	343kg/km $\pm$ 15%	340kg/km $\pm$ 15%	616kg/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:

IEC 60793-1, IEC 60793-2, IEC 60794-3-20, ITU-T G.650,
ITU-T G.652



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