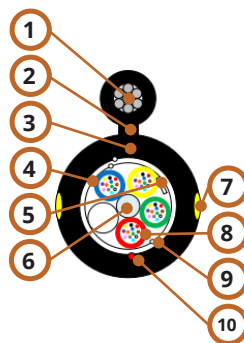
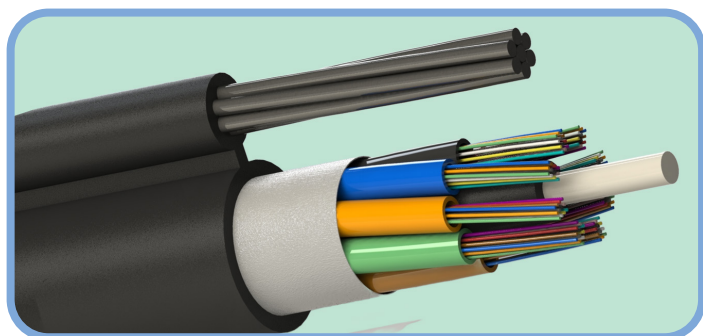


Figure-8 Optical Fiber Cable



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)
2. Web (WxH:Nom.2.0mmx2.0mm)
3. Outer sheath (**MDPE, Black**)
4. Water blocking 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*1 (**Breaking load $\geq$ 150N**)

Dimension and Properties		GYFTC8Y-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	1.8±0.1mm			2.0±0.1mm		
	Loose tube thickness	0.30±0.05mm					
	Central strength member diameter (FRP)	1.5±0.1mm					
	Pitch length	60-65mm			70-75mm		
	S-Z stranded length	360mm			420mm		
	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)	(8.5mm±5%) x(17.3mm±5%)			(8.9mm±5%) x(17.7mm±5%)		
	Cable weight	162kg/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	1500 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.652ITU-T G.652



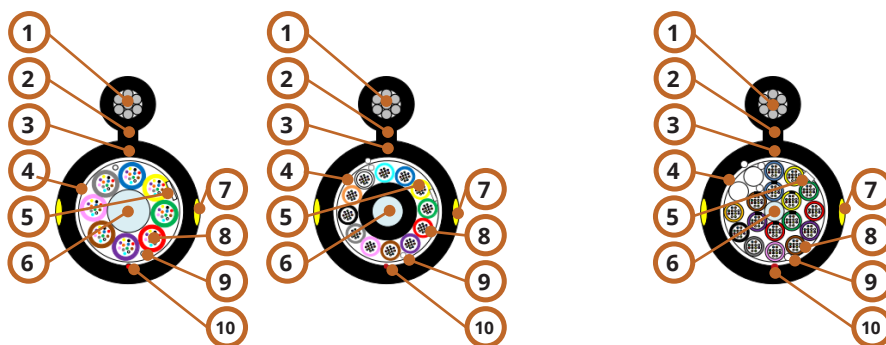
CABLETECH

Co No.: 202301037338 (1531261-T)

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
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*1 (**Breaking load≥150N**)



Dimension and Properties		GYFTC8Y-96B1.3	GYFTC8Y-144B1.3	GYFTC8Y-192B1.3	GYFTC8Y-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			24
	Loose tube/filler diameter	2.1±0.1mm			2.8±0.1mm
	Loose tube thickness	0.30±0.05mm			
	Central strength member diameter (FRP)	3.5±0.2mm	6.3±0.2mm(FRP 3.5±0.1mm)	FRP 2.2±0.1mm	FRP 3.0±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	660mm	780mm	Inner layer 540mm, Outer layer 780mm	Inner layer 660mm, Outer layer 960mm
	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)	(11.1mm±5%) x (19.9mm±5%)	(13.9mm±5%) x (22.7mm±5%)	(14.0mm±5%) x (22.8mm±5%)	(17.6mm±5%) x (26.4mm±5%)
	Cable weight	210kg/km±15%	263kg/km±15%	232kg/km±15%	489kg/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	1500 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.652ITU-T G.652



CABLETECH

Co No.: 202301037338 (1531261-T)