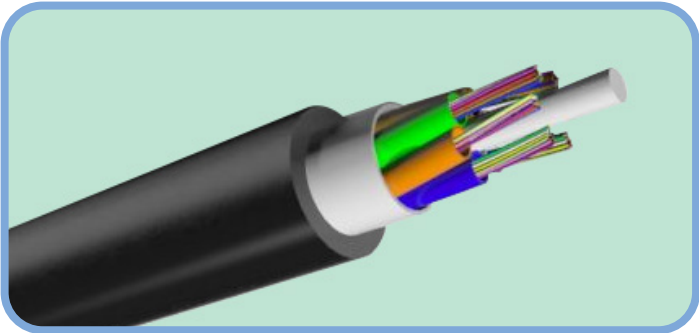


Duct Optical Fiber Cable



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
4. Center strength member (FRP)
5. Water blocking tape
6. Cable jelly
7. Binder yarn
8. Ripcord*1 (**Breaking load≥150N**)
9. Optional: Yellow stripe*2 (**Width: approx. 3.0mm**)

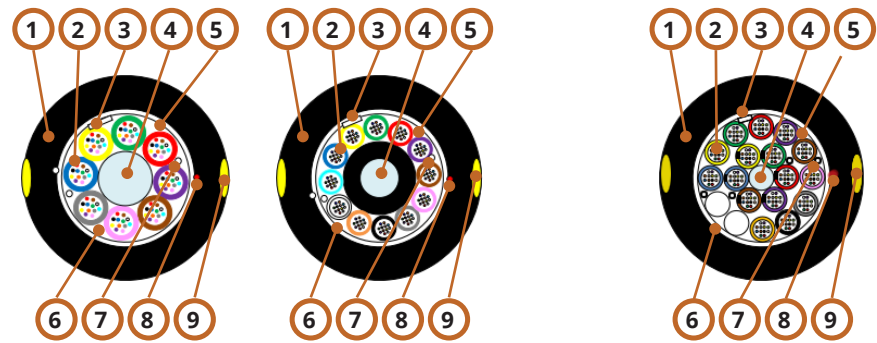
Dimension and Properties		GYFTY-4/8/12/24/36/48B1.3					
Physical	Fiber count (G.652D)	4	8	12	24	36	48
	No. of loose tube/filler (PP)	1/5	1/5	2/4	2/4	3/3	4/2
	Fiber No. per tube	4	8	6	12	12	12
	Loose tube/filler diameter	2.1±0.1mm					
	Loose tube thickness	0.30±0.05mm					
	Central strength member diameter	FRP 2.2±0.1mm					
	Pitch length	70-75mm					
	S-Z stranded length	700mm					
	Outer sheath thickness	Nom. 1.5mm (Density 0.926 – 0.940g/cm³ or better, Carbon black ≥2%)					
	Stripe color	Yellow RAL 1026					
	Cable OD	9.8mm±5%					
	Cable weight	81kg/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 60794-3-10, ITU-T G.650,
ITU-T G.652ITU-T G.657

Duct Optical Fiber Cable

Construction:

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



Dimension and Properties		GYFTY-96B1.3	GYFTY-144B1.3	GYFTY-192B1.3	GYFTY-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±0.1mm			2.8±0.1mm
	Loose tube thickness	0.30±0.05mm	0.30±0.05mm	0.30±0.05mm	0.30±0.05mm
	Central strength member diameter	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	1100mm	1300mm	Inner layer 900mm, Outer layer 1300mm	Inner layer 1100mm, Outer layer 1600mm
	Outer sheath thickness	Nom. 1.5mm (Density 0.926 – 0.940g/cm³ or better, Carbon black ≥2%)			
	Stripe color	Yellow RAL 1026			
	Cable OD	11.1mm±5%	13.9mm±5%	14.0mm±5%	17.6mm±5%
	Cable weight	102kg/km±15%	161kg/km±15%	125kg/km±15%	382kg/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 60794-3-10, ITU-T G.650,
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