

Outdoor Optical Cable

GYFTY53



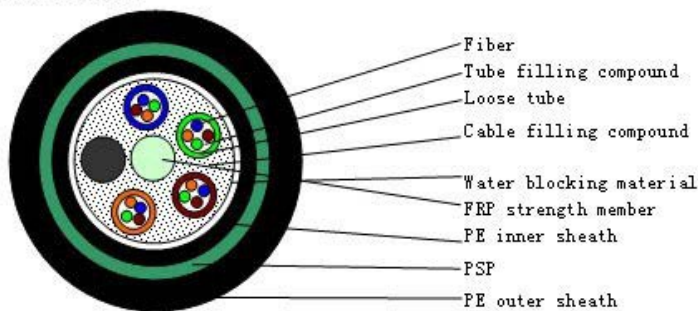
Application:

- Duct/Aerial/Direct buried

Description:

The fibers, 250um, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water resistant filling compound. A fiber Reinforced Plastic FRP locates in the center of core as a non-metallic strength member. The tubes and fillers are stranded around the strength member into a compact and circular core. Then the cable core is covered with a thin polyethylene PE inner sheath which is filled with jelly to protect it from water ingress. A layer of water-blocking material is applied around the cable core to prevent water ingress all the same. After a corrugated steel tape armor is applied, the cable is completed with a PE outer sheath.

Cable Structure



Technical Parameters

Cable Code	Fiber Count	Cable Size (mm)	Cable Weight (kg/km)	Tensile (N)		Crush (N/100mm)		Crush Resistance (mm)		Range of Temperature (°C)
				Long Term	Short Term	Long Term	Short Term	Dynamic	Static	
TP-GYFTY53-12	12	12.5	170	1000	3000	1000	3000	20D	10D	-40~+70
TP-GYFTY53-24	24	12.5	175	1000	3000	1000	3000	20D	10D	
TP-GYFTY53-36	36	12.5	180	1000	3000	1000	3000	20D	10D	
TP-GYFTY53-48	48	12.5	185	1000	3000	1000	3000	20D	10D	
TP-GYFTY53-96	96	14.5	210	1000	3000	1000	3000	20D	10D	
TP-GYFTY53-144	144	14.5	240	1000	3000	1000	3000	20D	10D	
Fiber Type		G652D	50/125	62.5/125	G657A1	G657A2	OM3-150	OM3-300	OM4	
Jacket Material		PE		LSZH						
Characteristics:										
◆ Good mechanical and temperature performance										
◆ Crush resistance and flexibility										
◆ Loose tube filling compound										
◆ 100% cable core filling										