

Outdoor Optical Cable

GYTA53



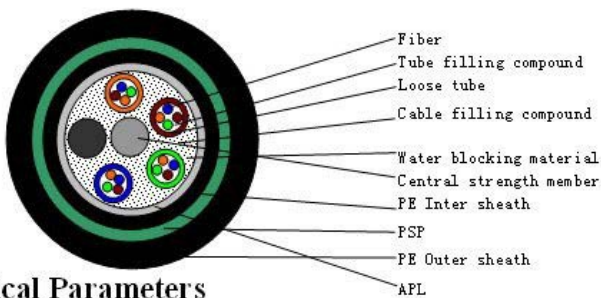
Application:

- Duct/Aerial/Direct buried

Description:

The fibers, 250 um, are positioned in a loose tube made of a high modulus plastic .The tubes are filled with a water-resistant filling compound .A steel wire , sometimes sheathed with polyethylene(PE)for cable with high fiber count ,locates in the center of core as a metallic strength member. Tubes (and fillers) are stranded around the strength member into a compact and circular cable core. An Aluminum Polyethylene Laminate (APL) is applied around the cable core, which is filled with the filling compound to protect it from water ingress. Then the cable core is covered with a thin PE inner sheath .After the PSP is longitudinally applied over the inner sheath. The cable is completed with a PE 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 -GYTA53-12	12	12.5	190	1000	3000	1000	3000	20D	10D	-40~ +70
TP -GYTA53-24	24	12.5	195	1000	3000	1000	3000	20D	10D	
TP -GYTA53-36	36	12.5	200	1000	3000	1000	3000	20D	10D	
TP -GYTA53-48	48	12.5	210	1000	3000	1000	3000	20D	10D	
TP -GYTA53-96	96	14.5	230	1000	3000	1000	3000	20D	10D	
TP -GYTA53-144	144	14.5	250	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										
◆ Water blocking material										