

GYTA

Fiber Stranded loose Tube Cable

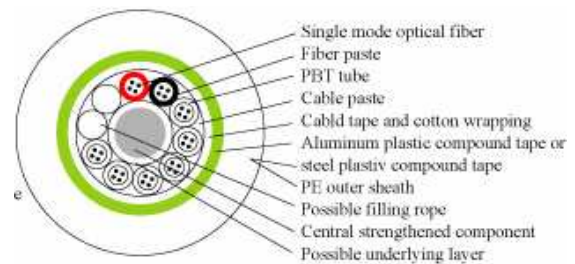


Table Main Mechanical and Physical Property

Allowable Tensile Force	
short term	≥1500N
long term	≥600N
Allowable Press Force	
short term	≥1000
long term	≥300
Impact	
weight of hammer	0.45kg
height of hammer	1m
impact times	5
requirement	After the test,the attenuation of optical will not increase
Bending	
diamenter of conductor	40D
load	150N
bending times	30
riquirement	After the test,the attenuation of optical will not increase
Torque	
axial load	150N
sample length	1.0m
torque times	10
torque degree	± 360°
riquirement	After the test,the attenuation of optical will not increase

Table2 Dimension of Category Mode Optial Fiber

Item	Requirement
Diameter of mode field (at 1310nm) μm	(8.6-9.5)±0.7
Mode field diameter concentricity error μm	≤0.8(at1310)
Diameter of cladding μm	125.0 ±1.0
Round degree of caldding %	≤ 2
Diameter of clad layer μm	245±10



Table3 Transmisson Property and Cutoff Wavelength of Category Mode Fiber		
Item	Wavelength(nm)	Requirement
Attenuation coefficient (Max.,dB/km)	1310	0.36
	1550	0.22
Zero dispersion wavelength range (nm)	1310	1300-1324
Max.zero dispersion absolute value (ps/nm .km) (at 1288 - 1339nm)		3.5
(at 1271 - 1360nm)		5.3
Max.zero dispersion slope (ps/nm ² .km)		0.093
Max.disoersion coefficient at 1550nm	1550	18
Cutoff wavelength of cable (λ_{cc} ,nm)		≤ 1260

Table4 Application Place
Duct, aerial ,cable bridge
Digit and analogue transmission
Trunk network and access network