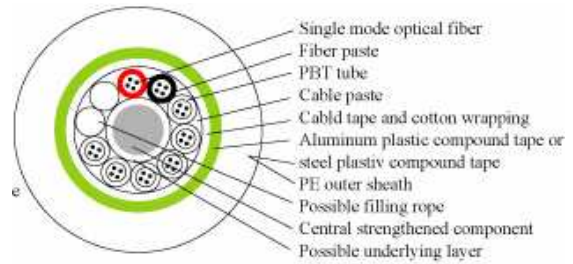


**GYTS**

**Fiber Stranded loose Tube Cable**



**Table Main Mechanical and Physical Property**

<b>Allowable Tensile Force</b>	
short term	≥1500N
long term	≥600N
<b>Allowable Press Force</b>	
short term	≥1000
long term	≥300
<b>Impact</b>	
weight of hammer	0.45kg
height of hammer	1m
impact times	5
requirement	After the test,the attenuation of optical will not increase
<b>Bending</b>	
diamenter of conductor	40D
load	150N
bending times	30
riquirement	After the test,the attenuation of optical will not increase
<b>Torque</b>	
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**

<b>Item</b>	<b>Requirement</b>
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 <sup>2</sup> .km)		0.093
Max.disoersion coefficient at 1550nm	1550	18
Cutoff wavelength of cable ( $\lambda_{cc}$ ,nm)		$\leq 1260$

**Table4 Application Place**

Duct, aerial ,cable bridge and tunnel
Digit and analogue transmission
Trunk network and access network