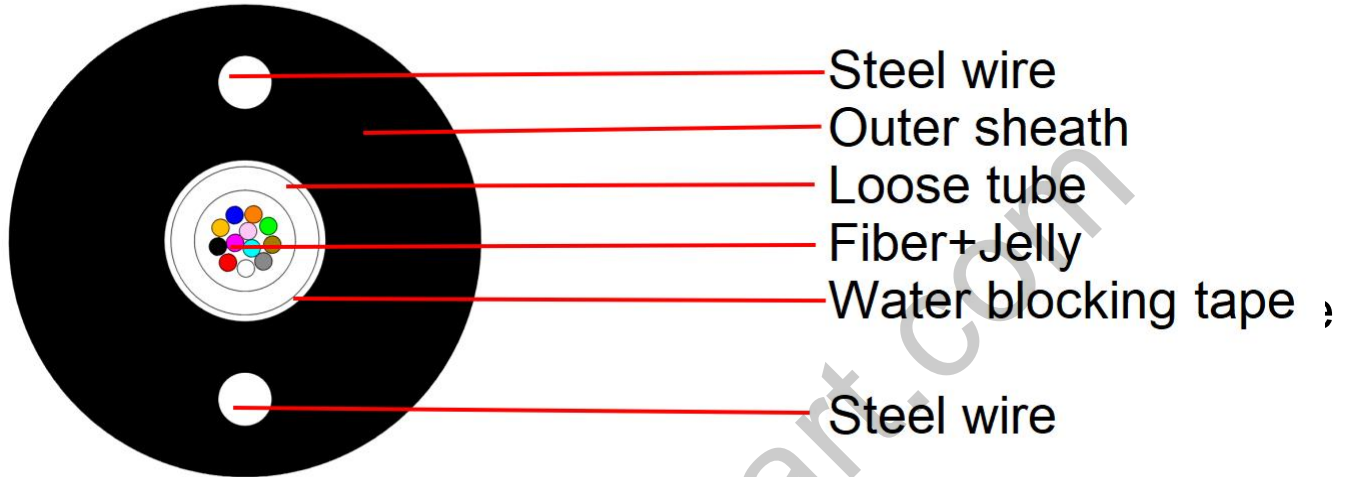


GYXTY 12F SM G652D PE Black OD7.0
1. Cable structure:

2.Cable construction details :

Items		Description
Number of fiber		12F
Fiber	type	G652D
Loose tube	material	PBT
	color	Nature
	diameter	2.2±0.1mm
Strength member	material	Steel wire
	diameter	0.8mm x 2 nos
Moisture Barrier	material	Water blocking tape & Jelly
Outer sheath	material	PE
	color	Black
	diameter	7.0±0.3mm
Installation Temperature (°C)		-10+50
Operation Temperature (°C)		-40+70
Tensile Strength(N)	Long term	750
	Short term	1500

Crush Resistance (N/100m)	Long term	1000
	Short term	2000
Min Bending Radius(mm)	Long term	20D
	Short term	15D

3. Standard color of fiber

1	2	3	4	5	6
Blue	Orange	Green	Brown	Grey	White
7	8	9	10	11	12
Red	Black	Yellow	Violet	Pink	Aqua

4. Fiber characteristic

Characteristics	Conditions	Specified Values	Unit
Attenuation	1310nm	≤ 0.36	dB/KM
	1550nm	≤ 0.25	dB/KM
Attenuation vs. Wavelength Max. difference	1285-1330nm	≤ 0.03	dB/KM
	1525-1575nm	≤ 0.02	dB/KM
Zero dispersion wavelength		1312 ± 10	nm
Zero dispersion slope		≤ 0.090	ps/nm ² .km
PMD		-	
Maximum Individual Fiber		≤ 0.2	ps/ $\sqrt{\text{km}}$
Link Design Value (M=20, Q=0.01%)		≤ 0.1	ps/ $\sqrt{\text{km}}$
Typical value		0.04	ps/ $\sqrt{\text{km}}$
Cable cutoff wavelength λ_{∞}		≤ 1260	nm
Mode field diameter (MFD)	1310nm	9.2 ± 0.4	um
	1550nm	10.4 ± 0.5	um
Effective group index of refraction	1310nm	1.466	-
	1550nm	1.467	-
Point discontinuities	1310nm	≤ 0.05	dB
	1550nm	≤ 0.05	dB
Geometrical Characteristics			
Cladding diameter		124.8 ± 0.7	um
Cladding non-circularity		≤ 0.7	%
Coating diameter		254 ± 5	um
Coating-cladding concentricity error		≤ 12.0	um
Coating non-circularity		≤ 6.0	%
Core-cladding concentricity error		≤ 0.5	um
Curl (radius)		≥ 4	m