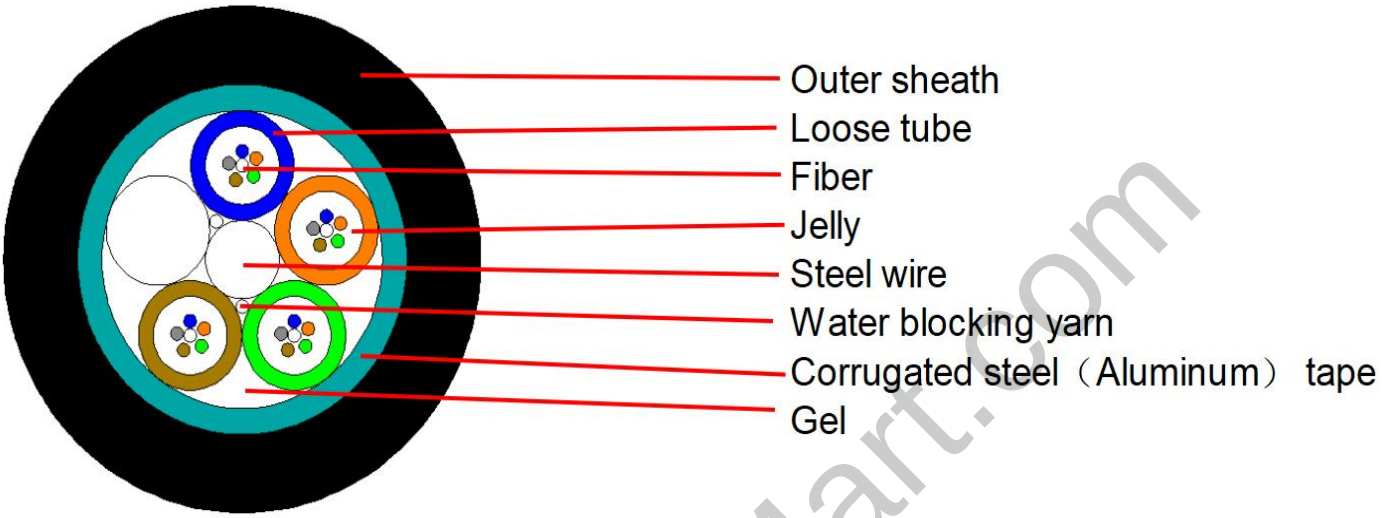
Fibermart

www.Fiber-Mart.com

GYTA(S) 4~24F G652D OD8.6

1. Cable structure:



2.Cable construction details :

Items		Description		
Fibertype		G652D		
Number of fiber		4	6	24
Number of fibers per tube		4	6	6
Number of loose tube		1	1	4
Number of fillers		4	4	1
Loose tube	diameter(mm）	1.6±0.1		
	material	PBT		
Central strength member	material	Steel wire		
Filler rod	material	PP or PE		
Armoring	material	Corrugated steel（Aluminum） tape		
Outer sheath	material	PE		
	diameter(mm）	8.6±0.3		
Installation Temperature（℃）		-10+50		
Operation Temperature（℃）		-40+70		

Tensile Strength(N)	Long term	500
	Short term	1000
Crush Resistance (N/100m)	Long term	1000
	Short term	2000
Min Bending Radius(mm)	Long term	20D
	Short term	15D

3.Tube and fiber color

1	2	3	4	5	6
Blue	Orange	Green	Brown	Grey	White

4.Fiber characteristic

Characteristics		Conditions	Specified Values	Unit
Attenuation		1310nm	≤0.36	dB/KM
		1550nm	≤0.25	dB/KM
Attenuation vs.Wavelength Max. αdifference		1285-1330nm	≤0.03	dB/KM
		1525-1575nm	≤0.02	dB/KM
Zero dispersion wavelength			1312±10	nm
Zero dispersion slope			≤0.090	ps/nm².km
PMD			-	
Maximum Individual Fiber			≤0.2	ps/$\sqrt{km}$
Link Design Value (M=20,Q=0.01%)			≤0.1	ps/$\sqrt{km}$
Typical value			0.04	ps/$\sqrt{km}$
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