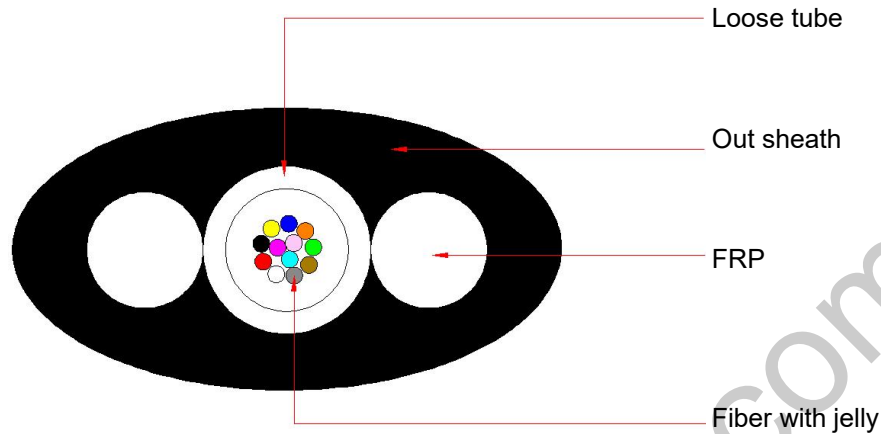


FIBER TO THE HOME (FTTH) 4.5x8.0
1. Cable structure:

2. Cable construction details

Number of fiber	1-24F	
Fiber type	G657A2	
Loose tube	Material	PBT
	Color	Natural
	Diameter	3.0±0.2
Strength member	Material	φ1.6FRP*2
Outer sheath	Material	PE
	Color	Black
	Diameter	(4.5x8.0) ±0.3mm

3. Cable Mechanical characteristic

Min Bending Radius(mm)	Long term	30D
Min Bending Radius(mm)	Short term	15D
Max Tensile Strength(N)	1350	
Crush Load (N/100mm)	2000	
Impact	Radius:300mm Impact energy:5j	
Repeated bending	Bending radius:20D Cycles:25	
Temperature (°C)	-40+70	
Operation temperature (°C)	-40+70	
Storage temperature (°C)	-40+70	

Installation temperature (°C)	-20+60
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3.Fiber color

1	2	3	4	5	6
Blue	Orange	Green	Brown	Grey	White
7	8	9	10	11	12
Red	Black	Yellow	Violet	Pink	Aqua
Color 13~24 will be marked with a tracer.					

5.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		1300-1324	nm
Zero dispersion slope		≤0.092	ps/nm ² .km
PMD		-	
Maximum Individual Fiber		≤0.2	ps/√km
Link Design Value (M=20,Q=0.01%)		≤0.1	ps/√km
Typical value		0.04	ps/√km
Cable cutoff wavelength λ_{∞}		≤1260	nm
Mode field diameter (MFD)	1310nm	8.8±0.4	nm
	1550nm	9.8±0.5	nm
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		245±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