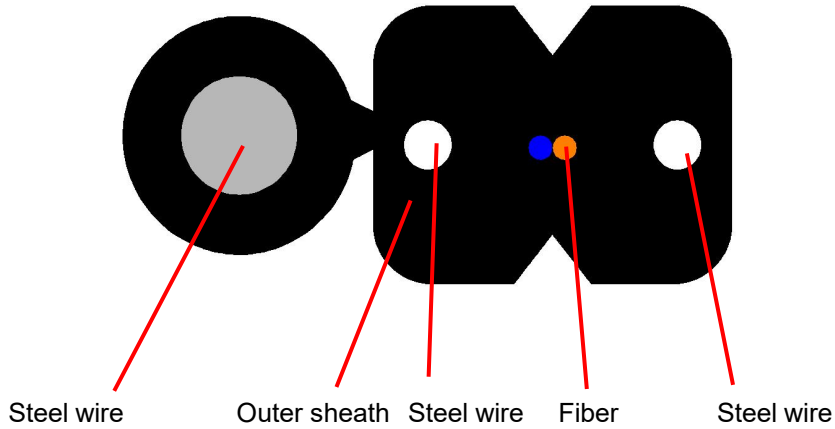




1. Cable structure:



2.Cable construction details :

Fiber type	G657A1		
Number of fiber	1F		
Strength member	materia	Steel wire	
	diameter	0.45-0.5mm	
Self support Messenger	materia	Steel wire	
	diameter	1.0 mm	
Outer sheath	materia	LSZH	
	color	black	
	diameter	1.95±0.05x5.2±0.2mm	
Weight		22±3kg/km	
Installation Temperature range (℃)		-20+60	
Operation and transport temperature (℃)		-20+70	
Min Bending Radius(mm)	Long term	10D	
Min BendingRadius(mm)	Short term	20D	
Min allowable Tensile Strength(N)	Long term	300	

Min allowable Tensile Strength(N)	Short term	600
Crush Load (N/100mm)		2000

3.Standard color of fiber

1	2	3	4
Blue	Orange	Green	Brown

4.Fiber characteristic

Characteristics	Conditions	Specified Values	Unit
attenuation	1310nm	≤0.4	dB/KM
	1550nm	≤0.3	dB/KM
attenuation vs.Wavelength Max. αdifference	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