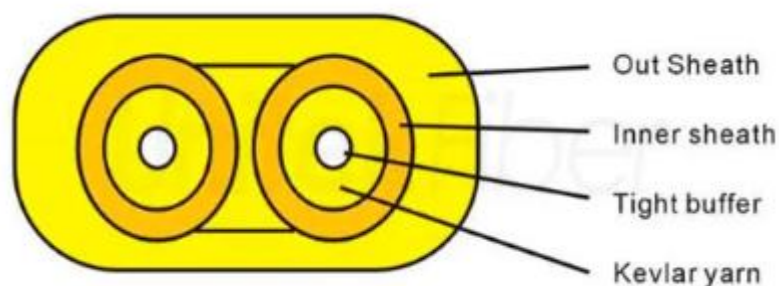


Figure Zero Flat Twin Fiber Optic Cable GJFJV 2.0mm 3.0mm

Simplex G657 G655 Single Mode Multimode

Profile View



Fiber Parameters

No. of Cable			2
Fiber Model			G.657A1
Tight buffer	Material		PVC
	Diameter(±0.06)mm		0.9
	Thickness(±0.03)mm		0.32
Inner Sheath	Material		PVC
	Diameter(±0.06) mm		2.0
	Thickness(±0.03) mm		0.35
	Color		Yellow
Outer Sheath	Material		PVC
	Thickness(±0.06)mm		0.6
	Color		Yellow
Cable size(±0.2) mm			3.2×5.6
Cable Weight (±2) kg/km			24
Allowable Tensile Strength	Short Term	N	800
	Long Term		300
Allowable Crush Resistance	Short Term	N/100mm	1000
	Long Term		500
Min. bending radius	Without Tension		10×Cable-g
	Under Maximum Tension		20×Cable- φ
Temperature range (°C)	Installation		20 ~ +60
	Transport&Storage		40~+70
	Operation		40~+70

The properties of single mode optical fiber (ITU-T Rec. G.657A1)

Characteristic	condition	data	unit
Optical properties			
Attenuation	1310nm	≤ 0.35	dB/km
	1383nm(氢老化后)	≤ 0.35	dB/km
	1490nm	≤ 0.23	dB/km
	1550nm	≤ 0.22	dB/km
	1625nm	≤ 0.23	dB/km
Relative wavelength attenuation @1310nm @1550nm	1285~1330nm	≤ 0.05	dB/km
	1525~1575nm	≤ 0.05	dB/km
Dispersion in the wavelength range of	1285~1340nm	≤ 3.5	ps/(nm.km)
	1550nm	≤ 18	ps/(nm.km)
Zero dispersion wavelength		1300~1324	nm
A zero-dispersion slope		≤ 0.092	ps/(nm ² .km)
Polarization Mode Dispersion Coefficient PMD Single fiber maximum Fiber link value (M=20, Q=0.01%) Typical value		≤ 0.2	ps/
		≤ 0.1	ps/
		0.04	ps/
			ps/
Cable cut-off wavelength (λ_{cc})		≤ 1260	nm
Mode field diameter (MFD)	1310nm	8.8 ± 0.4	μm
	1550nm	9.8 ± 0.5	μm
Attenuation discontinuities	1310nm	≤ 0.05	dB
	1550nm	≤ 0.05	dB
Geometric characteristics			
Core diameter		125 ± 0.7	μm
Cladding roundness		≤ 0.7	%
Coating diameter		245 ± 5	μm
Coating / package concentricity error		≤ 12.0	μm
Core / package concentricity error		≤ 0.5	μm
The warpage (radius)		≥ 4	m
Environmental characteristics (1310nm、1550nm、1625nm)			
Temperature additional attenuation	-60℃ ~+85℃	≤ 0.05	dB/km
Temperature-humidity cycle additional attenuation	-10℃ ~+85℃, 98% Relative humidity	≤ 0.05	dB/km
Flooding additional attenuation	23℃, 30 days	≤ 0.05	dB/km
Hot and humid additional attenuation	85℃ 和 85% Relative humidity, 30 days	≤ 0.05	dB/km
Dry heat aging	85℃	≤ 0.05	dB/km
Mechanical properties			
Screening tension		≥ 9.0	N
The macro bend Additional			

attenuation			
10 CircleΦ30mm	1550nm	≤ 0.025	dB
10 CircleΦ30mm	1625nm	≤ 1.0	dB
1 CircleΦ20mm	1550nm	≤ 0.75	dB
1 CircleΦ20mm	1625nm	≤ 1.5	dB
Coating peeling force	Typical average	1.5	N
Dynamic fatigue parameters		≥ 20	

Sheath marking

The optical fiber drop cable shall have sequentially numbered length marking at intervals of approximately 1 meter. The starting number of ordering length for any coil shall begin with zero meter. The accuracy of the measurement of length marking shall be held within the limits of $\pm 1\%$.

- a) Type of wire
- b) Year and month of manufacture
- c) Length marking each meter along the wire