

**SPECIFICATION**

**FOR**

**Optical Fiber Cable**

**Simplex GJFJBV**

**LSZH or PVC Jacket**

**Form one: single mode fiber G657**

Item	Unit	Specification
Attenuation	dB/km	1310nm ≤ 0.4 1550nm ≤ 0.3
Dispersion	Ps/nm.km	1285~1330nm ≤ 3.5 1550nm ≤ 18.0
Zero dispersion wavelength	Nm	1300~1324
Zero dispersion slope	Ps/nm.km	≤ 0.095
Fiber cutoff wavelength	Nm	≤ 1260
Mode field diameter	Um	9.2 ± 0.4
Mode field concentricity	Um	≤ 0.8
Cladding diameter	um	125 ± 1.0
Cladding non-circularity	%	≤ 1.0
Coating/cladding concentricity error	Um	≤ 12.5
Coating diameter	um	245 ± 10
bending,dependence attenuation	induced	1550nm, 1turns,32mm diameter 100turns,60mm diameter
Proof test	kpsi	≥ 100

**Form two: multimode fiber**

Item	Unit	Specification
Attenuation	dB/km	850 nm ≤ 3.5 1300 nm ≤ 1.5
Bandwidth	MHz • km	50/125um      62.5/125 um 850 nm ≥ 200      850 nm ≥ 160 1300 nm ≥ 200      1300 nm ≥ 200
Cladding diameter	um	125 ± 1.0
Cladding non-circularity	%	≤ 1.0
Coating/cladding concentricity error	Um	≤ 12.5
Coating diameter	um	245 ± 10
bending,dependence attenuation	induced	850nm,1300nm      100turns,75mm diameter ≤ 0.5 at 850 nm\1300 nm
Proof test	kpsi	≥ 100

**Each requirement**

- 1 -Fiber count-----1
- 2 - Fiber characteristic -----OD: 245 ± 10 um
- 3 - 1.6mm(0.6mm Buffered fiber) / 1.8mm(0.6mm Buffered fiber) / 2.0mm (0.9mm Buffered fiber)/  
2.4mm (0.9mm Buffered fiber) / 3.0mm (0.9mm Buffered fiber) Simplex optical fiber cable : yellow  
or orange color with number print at jacket to distinguish with each
- 4 - Out jacket: LSZH or PVC
  - . Characteristic of out jacket
  - Color: according to the contract

**Application:**

Model	Fiber account	OD (mm)	Nominal Weight (kg/km)	Max. Tension (N)		Max. Crushing Resistance (N/100 )	
				Short-term	Long-term	Short-term	Long-term
<b>GJFJV (1.6mm)</b>	1	(1.50—1.65)	2.9	80	40	200	50
<b>GJFJV (1.8mm)</b>	1	(1.70—1.80)	3.2	80	40	200	50
<b>GJFJV (2.0mm)</b>	1	(1.80—2.00)	3.9	100	60	500	100
<b>GJFJV (2.4mm)</b>	1	(2.30—2.45)	5.2	100	60	500	100
<b>GJFJV (3.0mm)</b>	1	(2.70—2.80)	6.6	150	80	500	100

The true weight of optical cable may had some tolerance with the above stated value.

Temperature range

Storage or transportation: -20~60°C

Operation: -20~60 °C

**Package and shipping mark**

Printing at outjacket of optical cable

White color printing words at each meter distance,standard printing content as following ,also can match the customer require for the printing content

1. Meter mark
2. Style of optical cable and fiber account
3. Manufacturer name
4. Manufacture date

Package of optical cable

Standard length is 2KM ,other length can negotiate

Can be packed in wooden drum or plywood drum

Wooden drum

Label will be stuck at wooden drum, content as following

1. Style of optical cable and fiber account
2. Length
3. Gross weight KGS
4. Total drums amount
5. Manufacture date

### Section picture of optical cable

#### Description

