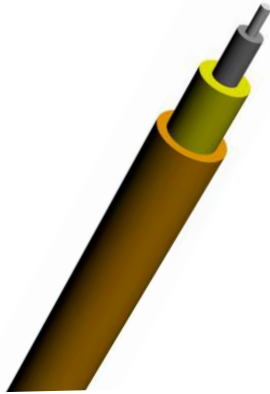


## Simplex Cable



Temperature Range  
 Operating : -40°C to +70°C  
 Storage : -50°C to +70°C  
 Installation : -30°C to +70°C  
 Bending Radius:  
 Static 30D  
 Dynamic 60D

## Description

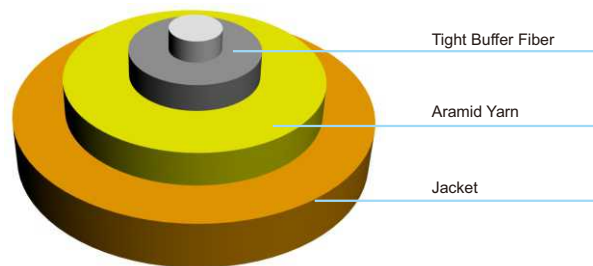
GJFJV Simplex cable use single  $\Phi 900\mu\text{m}$  or  $\Phi 600\mu\text{m}$  tight buffer fiber as optical communication medium, the tight buffer fiber wrapped with a layer of aramid yarn as strength member units, and the cable is completed with a PVC or LSZH (Low smoke, Zero halogen, Flame-retardant) jacket.

## Standards

Comply with Standard YD/T 1258.2, ICEA-596, GR-409, IEC 60794-2-10/11, etc; and PVC cable meet the requirements of UL approval OFNR and OFNP; Different LSZH jacket meet IEC 60332-1 or IEC 60332-3C or OFNR certification.

## Characteristics

Tight buffer fiber easy of stripping.  
 Tight buffer fiber have excellent flame-retardant performance.  
 Aramid yarn as strength member make cable have excellent tensile strength.  
 The outer jacket material have many advantages such as anti-corrosion, anti-water, anti-ultraviolet radiation, flame-retardant and harmless to environment etc.



## Applications

Optical fiber jumper or pigtail.  
 Indoor riser level and plenum level cable distribution.  
 Interconnect between instruments, communication equipments.

## Cable Structure

## Optical Characteristics

Fiber Type	Attenuation		Overfilled Launch Bandwidth	Effective Modal Bandwidth	10Gb/s Ethernet link length	Min Bending Radius
	1310/1550nm	850/1300nm				
Conditions	1310/1550nm	850/1300nm	850/1300nm	850nm	850nm	
Unit	dB/km	dB/km	MHZ.km	MHZ.km	m	mm
G652D	0.36/0.22					16
G657A1	0.36/0.22					10
G657A2	0.36/0.22					7.5
50/125		3.0/1.0	$\geq 500/500$			30
62.2/125		3.0/1.0	$\geq 200/500$			30
OM3		3.0/1.0	$\geq 1500/500$	$\geq 2000$	$\geq 300$	30
OM4		3.0/1.0	$\geq 3500/500$	$\geq 4700$	$\geq 550$	30
BI-OM3		3.0/1.0	$\geq 1500/500$	$\geq 2000$	$\geq 300$	7.5
BI-OM4		3.0/1.0	$\geq 3500/500$	$\geq 4700$	$\geq 550$	7.5

## Structure and Technical Specifications

Cable Code	Cable Diameter (mm)	Cable Weight (kg/km)		TBF Diameter ( $\mu\text{m}$ )	Tensile Strength (N/100mm)		Crush Resistance (N/100mm)	
		PVC Jacket	LSZH Jacket		Short Term	Long Term	Short Term	Long Term
1.6	$1.6 \pm 0.2$	2.4	2.6	$600 \pm 50$	40	80	500	100
1.9	$1.9 \pm 0.2$	3.5	4.5	$900 \pm 50$	60	100	500	100
2.8	$2.8 \pm 0.2$	6.0	7.5	$900 \pm 50$	60	100	500	100

Note : This datasheet can only be a reference, but not a supplement to the contract. Please contact our sales people for more detailed information.