

### Application

Tight buffered fiber is made by coating a layer of cushioning material on the discrete fiber. And the cushioning layer is normally the polyvinyl chloride (PVC) or the low smoke zero halogen flame-retardant polyolefin (LSZH).

Product application

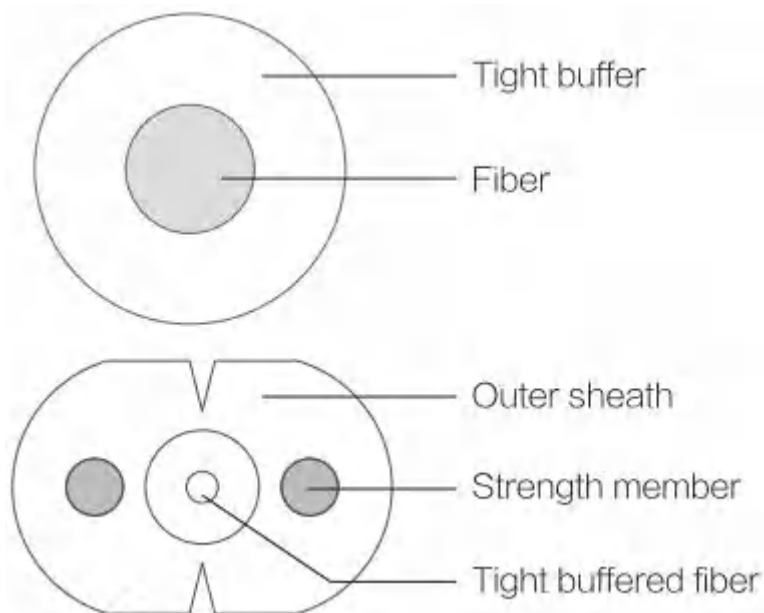
Indoor integrated wiring

Active and passive optical device pigtail fiber and fiber jumper

### Structural parameters

Cable diameter (mm)	Cable weight (km)	Minimum bending radius (mm)		Tensile load (N)		Crush load (N/100mm)		Temperature range (t)
		static	dynamic	Short term	Long term	Short term	Long term	
0.6	0.5	30	60	6	3	500	100	-5°C-+50°C
0.7	0.6	30	60	6	3	500	100	-10°C -+60°C
0.9	0.9	30	60	6	3	500	100	-10°C -+60°C

### Invisible Optical Cable



Invisible optical cable is made by coating a layer of transparent coating material on the discrete fiber, which is normally the nylon 12 (PA12) with high transparency, high hardness and high bending resistance, or the thermoplastic urethane (TPU).

Product application

Indoor integrated wiring

Interconnection of instrument and communication equipment

### Structural parameters

Fiber count	genre	Strength member	Cable diameter (mm)	Cable weight (kg/km)	Minimum bending radius (mm)		Tensile load (N)		Crush load (N/100mm)		Temperature range (°C)
					static	dynamic	Short term	Long term	Short term	Long term	
1	Invisible optical cable	—	0.9	0.8	30	60	10	5	1000	300	-5°C +50°C
1	GJXJH bowtype invisible optical cable	Phosphating steel wire	2.0*3.0	9.7	30	60	200	100	2200	1100	-10°C +60°C

2	GJXJH bowtype invisible optical cable	GFRP/ KFRP	22*3.6	11.8	30	60	80	40	1000	500	-10℃ -+60℃
2	GJXJH bowtype invisible optical cable	Phosphating steel wire	2.2*3.6	12.2	30	60	200	100	2200	1100	-20℃ -+60℃