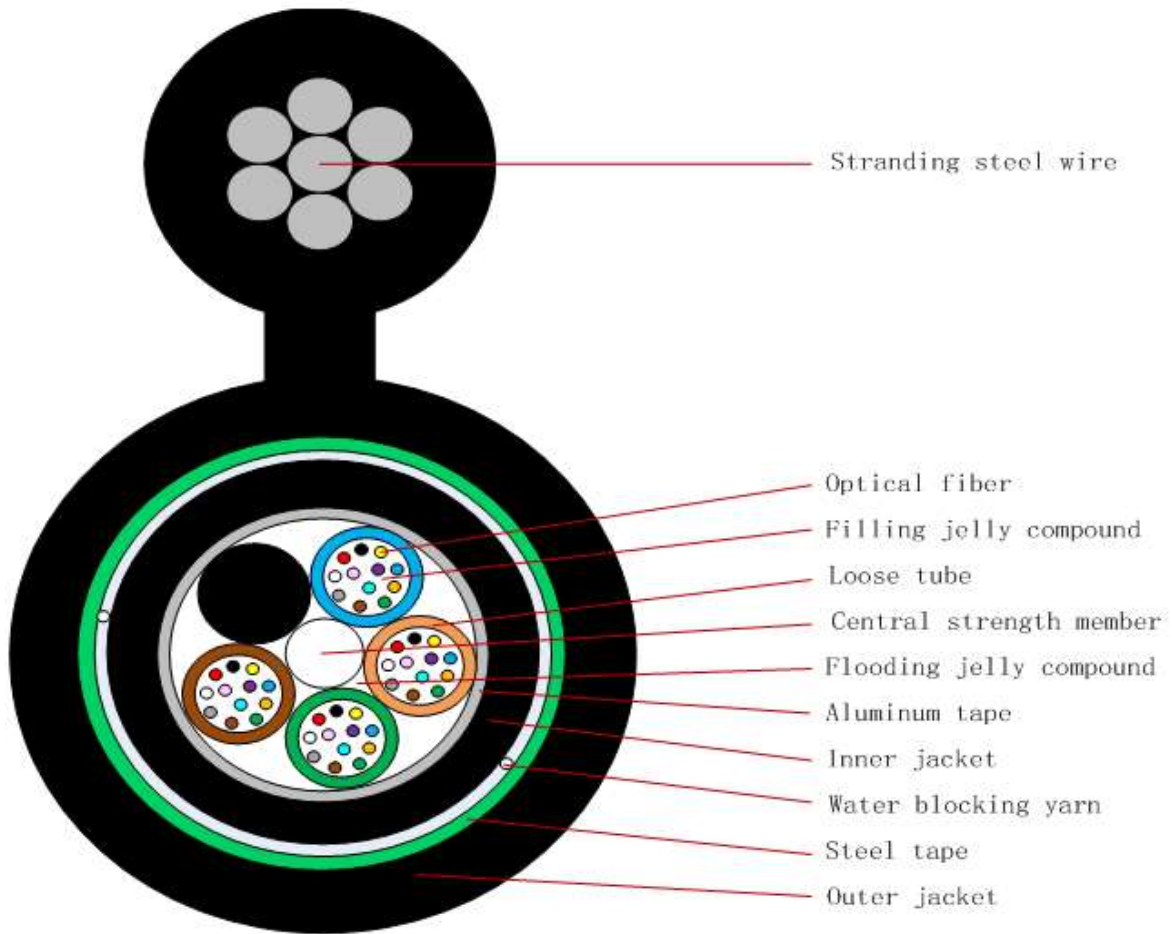


## Figure eight Double armored double jacket Cable specification

1. Cross section of cable:



## 2. Optical fiber type and properties

Item		Unit	Specification
			G. 652D
Mode field diameter	1310nm	μm	9.2 ± 0.4
	1550nm	μm	10.4 ± 0.8
Cladding diameter		μm	125.0 ± 0.7
Cladding non-circularity		%	≤1.0
Core/cladding concentricity error		μm	≤0.5
Coating diameter		μm	245 ± 5
Coating/cladding concentricity error		μm	≤12
Cable cut-off wavelength		nm	≤ 1260
Attenuation Coefficient	1310nm	dB/km	≤0.36
	1550nm	dB/km	≤0.22
Proof stress level		kpsi	≥100

Other parameters meet standard ITU-T G.652

### 3. Dimensions of cable construction

Fiber count	Structure	Fibers per tube	Loose tube diameter (mm)	CSM diameter /pad diameter (mm)	Nominal Thickness of Inner jacket (mm)	Nominal Thickness of outer jacket (mm)	Cable diameter/ Height (mm)	Cable Weight (kg/km)
4	1+5	4	1.7±0.1	1.5/1.5	1.0	1.8	12.7±5%/19.7±5%	206
6	1+5	6	1.7±0.1	1.5/1.5	1.0	1.8	12.7±5%/19.7±5%	206
8	1+5	4	1.7±0.1	1.5/1.5	1.0	1.8	12.7±5%/19.7±5%	206
12	1+5	6	1.7±0.1	1.5/1.5	1.0	1.8	12.7±5%/19.7±5%	207
24	1+5	6	1.7±0.1	1.5/1.5	1.0	1.8	12.7±5%/19.7±5%	208
36	1+6	6	1.7±0.1	1.8/1.8	1.0	1.8	13.0±5%/20.0±5%	216
48	1+5	12	2.0±0.1	1.5/1.5	1.0	1.8	13.4±5%/20.4±5%	224
72	1+6	12	2.0±0.1	2.0/2.0	1.0	1.8	14.0±5%/21.1±5%	239
96	1+8	12	2.0±0.1	2.6/3.5	1.0	1.8	15.6±5%/22.7±5%	280

#### 4. Cable performance

Item		Parameters
Loose tube	Material	PBT
	Color	Full color spectrum
Filler	Material	PE
	Color	Black
CSM	Material	FRP
Armored	Material	Plastic coated aluminum strip
Inner jacket	Material	MDPE
	Color	Black
Armored	Material	Plastic coated steel strip
Outer jacket	Material	MDPE
	Color	Black
Messenger wire	Nominal Thickness	1.0mm
	Diameter	5.0±0.2mm
	Stranding steel wire	1.0mm*7
Min. bending radius	Static	12.5times cable diameter
	Dynamic	25times cable diameter
Repeating bending	Load : 250N; number of cycles:30 No obvious addition attenuation, no fiber break and no cable damage.	
Tensile performance	Short term	3000N
Crush	Short term	3000N/100mm
Torsion	Load : 250N; number of cycles:10; twist angle: ±90° No obvious addition attenuation, no fiber break and no cable damage.	

#### 5. Environmental performance

Item	Standard	Parameters
Operation temperature	IEC 60794-1-2 F1	-20°C~+60°C