

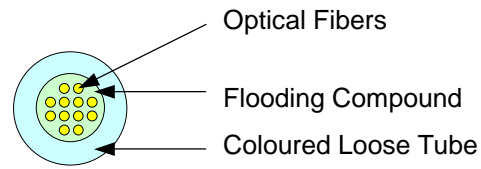
## NON-METALLIC TYPE BJJ OPTICAL FIBER

### Product Description:

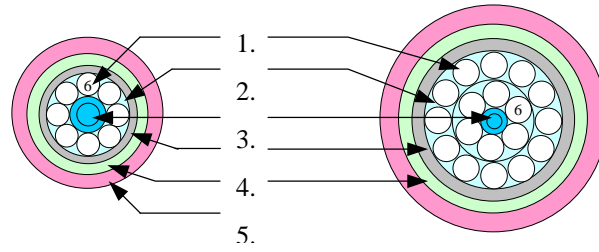
- Optical fiber core should be complied with ITU recommendation G.652 and EIA standards.
- Cladding diameter: 125.0 ±2.0 μm
- Cladding circular error: max. 2 %
- Core concentricity error: max.1.0 μm
- Coating Diameter: 250 ±15 μm
- Operating wave-length:1310nm or 1550nm
- Max. attenuation:
  - 1310nm : 0.4 / 0.5 dB/km
  - 1550nm : 0.25 / 0.3 dB/km
- Max. dispersion:
  - 1310nm : 3.09 ps/km-nm
  - 1550nm : 18.21 ps/km-nm
- Cut-off wave-length: 1100 ~ 1330nm
- Mode field Diameter1310nm:(8.5~9.5) μm±5%
- Temperature range:
  - Operation: - 30°C ~ + 60°C
  - Storage : - 30°C ~ + 60°C
  - Installation: 0°C ~ + 60°C

### Construction

6-fiber or 12-fiber unit



0.4dB 96 BJJ-NM-SM Cable    0.4dB 216 BJJ-NM-SM Cable



1. 6-fiber or 12-fiber loose tube unit
2. Flooding Compound
3. FRP Tension member
4. Reinforced Tension Member
5. Swellable Non-woven Tape
6. Polyethylene Outer Jacket

### Applications

- Suitable for laid in parallel with H.V power cable, and for subscriber loop, junction, long-haul communication.

### Color of Fiber cores & Units

Fiber Unit	Fiber No.	1	2	3	4	5	6	7	8	9	10	11	12						
	Unit	Colour	Blue	Yellow	Green	Red	Purple	White	Brown	Black	Sky Blue	Orange	Pink	Gray					
Single Layer	Unit No.	1	2	3	4	5	6	7	8	9	10	11	12						
	colour	Blue	Yellow	Green	Red	Purple	White	Brown	Black	Sky Blue	Orange	Pink	Gray						
Double Layers	Unit No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	colour	Blue	Yellow	Green	Red	Purple	White	Blue	Yellow	Green	Red	Purple	White	Brown	Black	Sky Blue	Orange	Pink	Gray

### Specification & Properties

Specication No.	Fiber Count cores	Fibers per Tube units	Outside Dia. mm	Unit Weight kg/km	Max Tensile Load Kg	Min Bend Radius mm
1	2~36	6	14.5	150	273	350
2	38~48	6	16.0	200		400
3	50~72	12	16.0	200		450
4	74~96	12	18.0	240		
5	98~144	12	21.0	320		
6	146~216	12	21.0	340		