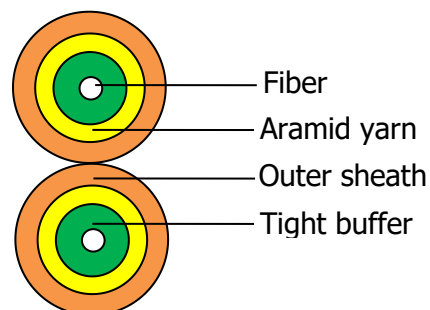


## >Indoor Optical Communication Cable >Duplex Flat Cable

### Description

The cable uses two tight buffer fibers wrapped with a layer of aramid yarn as the optical communication medium, and it is completed with an outer sheath.



Structural Diagram

### Technical Characteristics

- Soft, flexible, easy to handle.
- For indoor cabling system.
- Applicable for pigtail fiber and jumper wire.
- Applicable for optical connection in optical communication machine room, optical distribution frame, optical device or equipment.
- Good mechanical and environmental property.
- Excellent flame-retardant and easy to strip.
- Jacket can be made of flame retardant PVC,LSZH flame retardant polyolefin, TPU or other agreed material.
- Tight buffer color can be customized

### Cable Property

| Cable<br>type | Cable<br>Weight<br>(kg/km) | Diameter        |         | Tensile strength |               | Crush resistance |               | Bending radius |         |        |         |
|---------------|----------------------------|-----------------|---------|------------------|---------------|------------------|---------------|----------------|---------|--------|---------|
|               |                            |                 |         |                  |               |                  |               | B6             |         | Others |         |
|               |                            | Tight<br>buffer | Cable   | Long<br>term     | Short<br>term | Long<br>term     | Short<br>term | Staitc         | Dynamic | Staitc | Dynamic |
|               |                            | (mm)            |         | (N)              |               | (N/100mm)        |               | (mm)           |         |        |         |
| Φ1.6 mm       | 4.5                        | 0.6±0.05        | 1.6×3.3 | 60               | 120           | 100              | 500           | 15             | 30      | 30     | 60      |
| Φ1.8 mm       | 5.5                        | 0.6±0.05        | 1.8×3.7 | 60               | 120           | 100              | 500           | 15             | 30      | 30     | 60      |
| Φ2.0 mm       | 7.0                        | 0.9±0.05        | 2.0×4.1 | 90               | 150           | 100              | 500           | 15             | 30      | 30     | 60      |
| Φ2.4 mm       | 10.0                       | 0.9±0.05        | 2.4×4.9 | 90               | 150           | 100              | 500           | 15             | 30      | 30     | 60      |
| Φ2.8 mm       | 13.0                       | 0.9±0.05        | 2.8×5.7 | 120              | 220           | 100              | 500           | 15             | 30      | 30     | 60      |
| Φ3.0 mm       | 14.0                       | 0.9±0.05        | 3.0×6.1 | 120              | 220           | 100              | 500           | 15             | 30      | 30     | 60      |

1,All values above can be customized.

### Environmental Performance

- Transportation & Storage temperature: -20℃~±60℃
- Installation temperature: -10℃~±50℃
- Operation temperature : -20℃~±60℃
- Remarks : RoHS