

## Ribbon riser cable

### Description

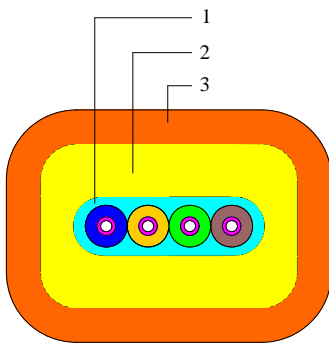
The cladding optical fibers with different colors are made into optical fiber ribbon. Aramid yarns are used as strengthening member, and PVC or LSZH as jacket.

### Applications

- Used in indoor cabling
- Used in telecommunication equipment room and distribution frame
- Used as connectors in optical apparatus.

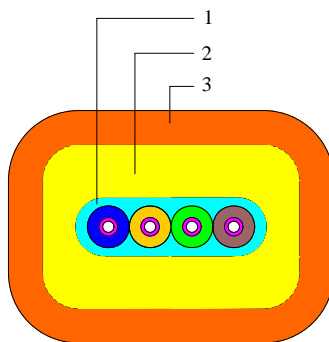
### Features

- Soft, flexible and light-weight
- Flame retardant
- Big capacity data transmitting



GJFDBZV

1. Optical Fiber ribbon
2. Aramid yarn Strength Member
3. PVC Outer Jacket



GJFDBZY

1. Optical Fiber ribbon
2. Aramid yarn Strength Member
3. LSZH Outer Jacket

### Dimension of Optical Fiber Ribbon

| No. of Fibers | Width ( $\mu\text{m}$ ) | Height ( $\mu\text{m}$ ) | Horizontal Space between Adjacent Fibers ( $\mu\text{m}$ ) | Horizontal Space between End Fibers ( $\mu\text{m}$ ) | Planarity ( $\mu\text{m}$ ) |
|---------------|-------------------------|--------------------------|--|---|-----------------------------|
| 4             | $\leq 1220$             | $\leq 400$               | $\leq 280$   | $\leq 835$  | $\leq 35$                   |
| 6             | $\leq 1770$             | $\leq 400$               | $\leq 280$   | $\leq 1385$   | $\leq 35$                   |
| 8             | $\leq 2300$             | $\leq 400$               | $\leq 300$   | $\leq 1920$   | $\leq 50$                   |
| 12            | $\leq 3400$             | $\leq 400$               | $\leq 300$   | $\leq 2950$   | $\leq 50$                   |

### Cable Parameters

| No. of Fibers | Cable Dimensions (mm) |               | Allowable Tension (N) |         | Allowable Crush (N/100mm) |         | Min. Bend Radius (mm) |        |
|---------------|-----------------------|---------------|-----------------------|---------|---------------------------|---------|-----------------------|--------|
|               | Width                 | Height        | L. Term               | S. Term | L. Term                   | S. Term | Dynamic               | Static |
| 4             | $3.5 \pm 0.4$         | $2.5 \pm 0.3$ | 200                   | 600     | 200                       | 1000    | 50                    | 25     |
| 6             | $3.8 \pm 0.4$         | $2.5 \pm 0.3$ | 200                   | 600     | 200                       | 1000    | 50                    | 25     |
| 8             | $4.5 \pm 0.4$         | $2.5 \pm 0.3$ | 200                   | 600     | 200                       | 1000    | 50                    | 25     |
| 12            | $5.0 \pm 0.5$         | $2.9 \pm 0.3$ | 200                   | 600     | 200                       | 1000    | 58                    | 29     |

### Environmental Characteristics

| Grade | Range of Temperature (°C)  |                            | Allowable Additional Attenuation (dB/km) |    |    |             |     |
|-------|----------------------------|----------------------------|--|----|----|-------------|-----|
|       | Lower Limit T <sub>A</sub> | Upper Limit T <sub>B</sub> | B1.1                                     | B2 | B4 | A1a         | A1b |
| C     | -20                        | +60                        | $\leq 0.10$                              |    |    | $\leq 0.30$ |     |
| D     | -5                         | +60                        | $\leq 0.10$                              |    |    | $\leq 0.30$ |     |

### Options

- Optical fiber: Single-mode,  $50\mu\text{m}$  or  $62.5\mu\text{m}$  multimode fiber.
- Jacket: PVC jacket or LSZH jacket.
- Jacket color: For SM fiber, yellow is standard color. For MM fiber, orange is standard color. Or other contracted color.
- Delivery Length: The nominal length is 2km, or other contracted length.