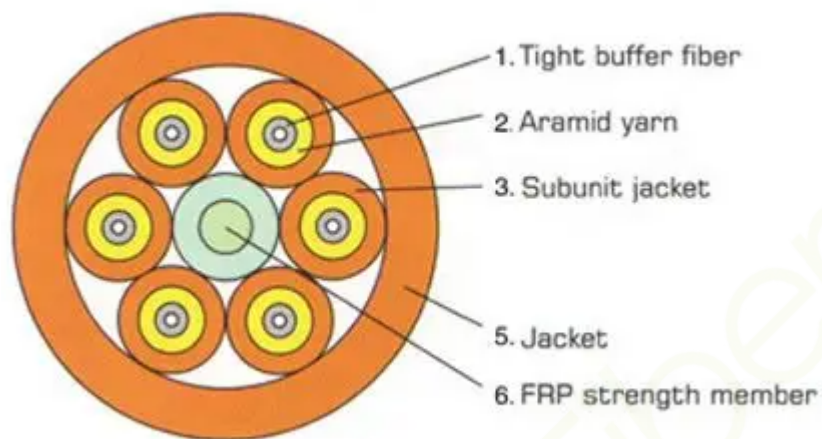


## Indoor Breakout Fiber Optic Cable GJFJV 2-48 Cores 2.0mm 3.0mm Simplex FRP LSZH or PVC

### Profile View



### Fiber Parameters

| No. | Items                                |                             | Unit  | Specification            | Specification            | Specification            |
|-----|--------------------------------------|-----------------------------|-------|--------------------------|--------------------------|--------------------------|
|     |                                      |                             |       | G.652D                   | G.657A1                  | G.657A2                  |
| 1   | Mode Field Diameter                  | 1310nm                      | μm    | 9.1±0.4                  | 8.8±0.4                  | 8.8±0.4                  |
|     |                                      | 1550nm                      | μm    | 10.4±0.5                 | 9.8±0.5                  | 9.8±0.5                  |
| 2   | Cladding Diameter                    |                             | μm    | 125±1                    | 125±0.7                  | 125±0.7                  |
| 3   | Cladding Non-Circularity             |                             | %     | ≤1                       | ≤0.7                     | ≤0.7                     |
| 4   | Core-Cladding Concentricity Error    |                             | μm    | ≤0.6                     | ≤0.5                     | ≤0.5                     |
| 5   | Coating Diameter                     |                             | μm    | 245±7                    | 245±5                    | 245±5                    |
| 6   | Coating Non-Circularity              |                             | %     | ≤6.0                     | ≤6.0                     | ≤6.0                     |
| 7   | Cladding-Coating Concentricity Error |                             | μm    | ≤12.0                    | ≤12.0                    | ≤12.0                    |
| 8   | Cable Cutoff Wavelength              |                             | nm    | $\lambda_{cc} \leq 1260$ | $\lambda_{cc} \leq 1260$ | $\lambda_{cc} \leq 1260$ |
| 9   | Attenuation (max.)                   | 1310nm                      | dB/km | ≤0.34                    | ≤0.35                    | ≤0.35                    |
|     |                                      | 1550nm                      | dB/km | ≤0.2                     | ≤0.21                    | ≤0.21                    |
| 10  | Macro-Bending Loss                   | 1 turn×10mm radius @1550nm  | dB    | /                        | ≤0.75                    | ≤0.1                     |
|     |                                      | 1 turn×10mm radius @1625nm  | dB    | /                        | ≤1.5                     | ≤0.2                     |
|     |                                      | 1 turn×7.5mm radius @1550nm | dB    | /                        | /                        | ≤0.2                     |
|     |                                      | 1 turn×7.5mm radius @1625nm | dB    | /                        | /                        | ≤0.5                     |

## Cable Parameters

| Items                |           | Specifications                                                       |       |       |       |       |       |       |
|----------------------|-----------|----------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|
| Fiber Count          |           | 4                                                                    | 6     | 8     | 12    | 16    | 24    | 32    |
| Tight-buffered Fiber | Dimension | 850±50μm                                                             |       |       |       |       |       |       |
|                      | Material  | PVC                                                                  |       |       |       |       |       |       |
|                      | Color     | Blue、Orange、Green、Brown、Gray、White、Red、Black、Yellow、Purple、Pink、Aqua |       |       |       |       |       |       |
| Strength Member      |           | FRP                                                                  |       |       |       |       |       |       |
| Outer Jacket         | Dimension | 5.0mm                                                                | 5.2mm | 5.5mm | 6.2mm | 7.5mm | 8.2mm | 9.5mm |
|                      | Material  | LSZH/PVC                                                             |       |       |       |       |       |       |
|                      | Color     | Customize according to customer                                      |       |       |       |       |       |       |

## Mechanical and Environmental Characteristics

| Items                           | Specifications |      |      |      |      |      |      |
|---------------------------------|----------------|------|------|------|------|------|------|
| Fiber Count                     | 4              | 6    | 8    | 12   | 16   | 24   | 32   |
| Tension (Long Term) / N         | 150            | 150  | 150  | 300  | 300  | 300  | 300  |
| Tension (Short Term) / N        | 300            | 300  | 300  | 600  | 600  | 600  | 600  |
| Crush (Long Term) / N/10cm      | 200            | 200  | 200  | 200  | 200  | 200  | 200  |
| Crush (Short Term) / N/10cm     | 1000           | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| Min. Bend Radius (Dynamic) / mm | 20D            | 20D  | 20D  | 20D  | 20D  | 20D  | 20D  |
| Min. Bend Radius (Static) / mm  | 10D            | 10D  | 10D  | 10D  | 10D  | 10D  | 10D  |
| Installation Temperature/°C     | -20～+60        |      |      |      |      |      |      |
| Operating Temperature/°C        | -20～+60        |      |      |      |      |      |      |