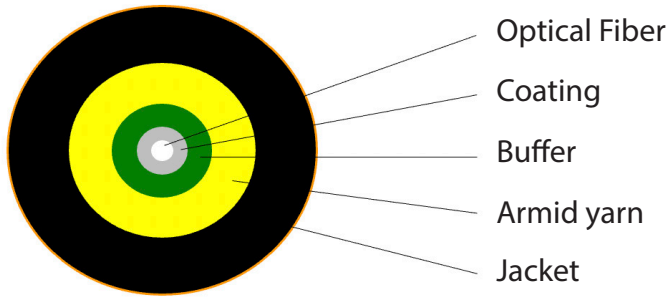


# 3.0MM G.657B3 Simplex Round Indoor Cable

## PROFILE VIEW



## FIBER PARAMETERS

| No  | Items                                |                            | Unit  | Specification            |
|-----|--------------------------------------|----------------------------|-------|--------------------------|
|     |                                      |                            |       | G.657B3                  |
| 1.  | Mode Field Diameter                  | 1310nm                     | μm    | 8.6±0.4                  |
|     |                                      | 1550nm                     | μm    | 9.8±0.5                  |
| 2.  | Cladding Diameter                    |                            | μm    | 124.8±0.7                |
| 3.  | Cladding Non-Circularity             |                            | %     | ≤0.7                     |
| 4.  | Core-Cladding Concentricity Error    |                            | μm    | ≤0.5                     |
| 5.  | Coating Diameter                     |                            | μm    | 245±5                    |
| 6.  | Coating Non-Circularity              |                            | %     | ≤6.0                     |
| 7.  | Cladding-Coating Concentricity Error |                            | μm    | <12.0                    |
| 8.  | Cable Cutoff Wavelength              |                            | nm    | $\lambda_{cc} \leq 1260$ |
| 9.  | Attenuation(max.)                    | 1310nm                     | dB/km | ≤0.35                    |
|     |                                      | 1550nm                     |       | ≤0.21                    |
| 10. | Macro-Bending Loss                   | 1turn×5.0mm radius @1550nm | dB    | ≤0.5                     |
|     |                                      | 1turn×5.0mm radius @1625nm | dB    | ≤1.0                     |

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### CABLE PARAMETERS

| Items                |           | Specifications |
|----------------------|-----------|----------------|
| Fiber Type           |           | SM             |
| Fiber Count          |           | 1              |
| Tight-buffered Fiber | Dimension | 850±50µm       |
|                      | Material  | LSZH           |
|                      | Color     | White          |
| Jacket               | Dimension | 3.0±0.2mm      |
|                      | Material  | PVC (OFNR)     |
|                      | Color     | Black          |
|                      | Thickness | 0.55±0.05mm    |
| Cable Weight (kg/km) |           |                |

### MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS

| Items                      | Unite  | Specifications |
|----------------------------|--------|----------------|
| Tension (Long Term)        | N      | 800            |
| Tension (Short Term)       | N      | 160            |
| Crush (Long Term)          | N/10cm | 100            |
| Crush (Short Term)         | N/10cm | 500            |
| Min. Bend Radius (Dynamic) | mm     | 50D            |
| Min. Bend Radius (Static)  | mm     | 30D            |
| Operating Temperature      | °C     | -40~+70        |
| Storage Temperature        | °C     | -40~+70        |