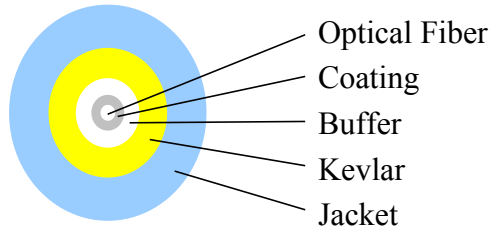


FBR-SOM3-OFNP

3.0mm Simplex Multi-mode cable

Profile View



Fiber Parameters

| No. | Items | unit | Specification | |
|-----|--------------------------------------|--------|---------------|------|
| | | | OM3-150 | |
| 1 | Core Diameter | μm | 50.0±2.5 | |
| 2 | Cladding Diameter | μm | 124.8±1.0 | |
| 3 | Core Non-Circularity | % | ≤5.0 | |
| 4 | Cladding Non-Circularity | % | ≤1.0 | |
| 5 | Core-Cladding Concentricity Error | μm | ≤1.0 | |
| 6 | Coating Diameter | μm | 245±7 | |
| 7 | Coating Non-Circularity | % | ≤6.0 | |
| 8 | Cladding-Coating Concentricity Error | μm | ≤12.0 | |
| 9 | OFL Bandwidth | 850nm | MHz·km | ≥700 |
| | | 1300nm | MHz·km | ≥500 |
| 10 | Attenuation Coefficient | 850nm | dB/km | ≤2.3 |
| | | 1300nm | dB/km | ≤0.6 |

Cable Parameters

| Items | | Specifications |
|----------------------|-----------|----------------|
| Fiber count | | 1 |
| Tight buffered Fiber | Dimension | 850±50μm |
| | Material | PVC |
| | Color | White |
| Strength member | | Kevlar |
| Outer jacket | Dimension | 2.9-3.0mm |
| | Material | PVC(OFNP) |
| | Color | Aqua |

Mechanical and Environmental Characteristics

| Items | Unite | Specifications |
|----------------------------|--------|----------------|
| Tension (Long Term) | N | 60 |
| Tension (Short Term) | N | 100 |
| Crush (Long Term) | N/10cm | 100 |
| Crush (Short Term) | N/10cm | 200 |
| Min. Bend Radius (Dynamic) | mm | 20D |
| Min. Bend Radius (Static) | mm | 10D |
| Operating Temperature | °C | -20~+60 |
| Storage Temperature | °C | -20~+60 |

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