

Data sheet OpDAT fiber OM3

Technical Data

General Data

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|--------------------|---------------------------------|
| Fiber class | OM3 (IEC 60793-2-10 Type A1a.2) |
| Fiber construction | 50/125 µm |

Transmission characteristics

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| Transmission rate | 100 GBit |
| Overfilled (OFL) modal bandwidth at 850 nm (min.) | 1500 MHz * km |
| Overfilled (OFL) modal bandwidth at 1300 nm (min.) | 500 MHz * km |
| Effective modal bandwidth (EMB) at 850 nm (min.) | 2000 MHz * km |

Geometric characteristics

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| Fiber core diameter | Ø 50 µm |
| Primary coating diameter | 250 µm |
| Fiber cladding non-circularity | max. 0.7 % |
| Core non-circularity | max. 5 % |
| Core (MDF)-cladding concentricity error | max. 1 µm |
| Primary coating concentricity error | max. 5 % |
| Primary coating-cladding concentricity error | max. 10 µm |

Optical characteristics

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|--|-------------|
| Attenuation of the fiber in the cable at 850 nm | max. 3.0 dB |
| Attenuation of the fiber in the cable at 1300 nm | max. 1.0 dB |
| Group refractive index at 850 nm | 1482 |
| Group refractive index at 1300 nm | 1477 |
| Numerical aperture | 0.2 |
| Laser-optimized | yes |