

# P | Cabling

## Data sheet OpDAT fiber OM2

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P/N  
150XXXD2A1

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### Technical Data

#### General Data

|                    |                                 |
|--------------------|---------------------------------|
| Fiber class        | OM2 (IEC 60793-2-10 Type A1a.1) |
| Fiber construction | 50/125 µm                       |

#### Transmission characteristics

|                                                    |              |
|----------------------------------------------------|--------------|
| Transmission rate                                  | 10 GBit      |
| Overfilled (OFL) modal bandwidth at 850 nm (min.)  | 500 MHz * km |
| Overfilled (OFL) modal bandwidth at 1300 nm (min.) | 500 MHz * km |

#### Geometric characteristics

|                                              |            |
|----------------------------------------------|------------|
| 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

|                                                  |                |
|--------------------------------------------------|----------------|
| Attenuation of the fiber in the cable at 850 nm  | max. 3.5 dB/km |
| Attenuation of the fiber in the cable at 1300 nm | max. 1.5 dB/km |
| Group refractive index at 850 nm                 | 1.482          |
| Group refractive index at 1300 nm                | 1.477          |
| Numerical aperture                               | 0.2            |

