

# Data sheet

## OpDAT fiber OM4

Page 1/1

P/N  
150XXXD7A1

2025/06/18

Version: B

### Technical Data

#### General Data

|                    |                                 |
|--------------------|---------------------------------|
| Fiber class        | OM4 (IEC 60793-2-10 Type A1a.3) |
| Fiber construction | 50/125 µm                       |

#### Transmission characteristics

|                                                    |               |
|----------------------------------------------------|---------------|
| Transmission rate                                  | 100 GBit      |
| Overfilled (OFL) modal bandwidth at 850 nm (min.)  | 3500 MHz * km |
| Overfilled (OFL) modal bandwidth at 1300 nm (min.) | 500 MHz * km  |
| Effective modal bandwidth (EMB) at 850 nm (min.)   | 4700 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. 3.0 dB |
| Attenuation of the fiber in the cable at 1300 nm | max. 1.0 dB |
| Group refractive index at 850 nm                 | 1.482       |
| Group refractive index at 1300 nm                | 1.477       |
| Numerical aperture                               | 0.2         |
| Laser-optimized                                  | yes         |

#### Application note

This product is a standard product of METZ CONNECT. METZ CONNECT is not aware of the specific intended use of the goods by the Customer or any customers of the Customer. The Customer guarantees that it has fully and sufficiently tested the use of the goods and any product modifications, product changes or product enhancements with regard to the specific intended use in accordance with the state of the art or in any other way. At METZ CONNECT's request, the Customer shall submit and make available meaningful evidence (e.g. test and laboratory protocols, certifications, etc.).

