

# Data sheet

## OpDAT fiber OM5

Page 1/1

P/N  
150XXXD8A1

2025/06/18  
Version: B

### Technical Data

#### General Data

Fiber class	OM5 (IEC 60793-2-10 Type A1a.4)
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 953 nm (min.)	1850 MHz * km
Overfilled (OFL) modal bandwidth at 1300 nm (min.)	500 MHz * km
Effective modal bandwidth (EMB) at 850 nm (min.)	4700 MHz * km
EMB-Wert bei 953 nm	2470 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.).