Data sheet
OpDAT fiber OM4

P/N
150XXXJ7A1

2026/09/29
Version: C

Technical Data

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

Transmission characteristics	
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	245 mm
Fiber cladding non-circularity	max. 0.6 %
Core non-circularity	max. 5 %
Core (MDF)-cladding concentricity error	max. 1 µm
Primary coating concentricity error	max. 6 %
Primary coating-cladding concentricity error	max. 10 µm

Optical characteristics	
Attenuation of the fiber in the cable at 850 nm	max. 3.5 dB
Attenuation of the fiber in the cable at 1300 nm	max. 1.5 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

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