

Data sheet OpDAT fiber OM4

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