

Data sheet

OpDAT fiber OS2

Page 1/1

P/N
150XXXD9B2

2025/06/18

Version: B

Technical Data

General Data

Fiber class	OS2 (ITU-T G.657.A2 und B2)
Fiber construction	9/125 µm

Transmission characteristics

Chromatic dispersion coefficient - At 1550 nm (max.)	< 18.5 ps/km * nm
Chromatic dispersion coefficient - At 1625 nm (max.)	max. 23 ps/km * nm
Polarisation mode dispersion (PMD) coefficient, cabled (max.)	<= 0.1 ps/vkm
PMDQ Link Design Value (min.)	0.06 ps/vkm
Threshold wavelength (max.)	< 1260 ?cc nm

Geometric characteristics

Fiber core diameter	Ø 9 µm
Primary coating diameter	250 µm
Fiber cladding non-circularity	max. 0.7 %
Core (MDF)-cladding concentricity error	max. 0.5 µm
Primary coating concentricity error	max. 5 %
Primary coating-cladding concentricity error	max. 12 µm

Optical characteristics

Attenuation of the fiber in the cable at 1310 nm	max. 0.38 dB/km
Attenuation of the fiber in the cable at 1383 nm	max. 0.38 dB/km
Attenuation of the fiber in the cable at 1550 nm	max. 0.23 dB/km
Attenuation of the fiber in the cable at 1625 nm	max. 0.25 dB/km
10 turns on a mandrel R= 15 mm, 1550 nm	max. 0.03 dB
1 turn on a mandrel R= 10 mm, 1550 nm	max. 0.1 dB
1 turn on a mandrel R= 7.5 mm, 1550 nm	max. 0.5 dB
Group refractive index at 1310 nm	1.467
Group refractive index at 1550 nm and 1625 nm	1.468

Application note

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