

Data sheet OpDAT fiber OS2

Technical Data

General Data	
Fiber class	OS2 (ITU-T G.657.A)
Fiber construction	9/125 µm
Transmission characteristics	
Chromatic dispersion coefficient - At 1550 nm (max.)	< 18 ps/km * nm
Chromatic dispersion coefficient - At 1625 nm (max.)	max. 22 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. 0.39 dB/km
Attenuation of the fiber in the cable at 1550 nm	max. 0.22 dB/km
Attenuation of the fiber in the cable at 1625 nm	max. 0.39 dB/km
10 turns on a mandrel R= 15 mm, 1550 nm	max. 0.25 dB
1 turn on a mandrel R= 10 mm, 1550 nm	max. 0.75 dB
Group refractive index at 1310 nm	1.467
Group refractive index at 1550 nm and 1625 nm	1.468