P | Cabling

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Data sheet
OpDAT fiber OS2

P/N
150XXXU9A2HS

2021/06/16

Technical Data

General Data	
Fiber class	OS2 (ITU-T G.657.A2)
Fiber construction	9/125 µm
Transmission characteristics	
Chromatic dispersion coefficient - At 1550 nm (max.)	<= 18 ps/km * nm
Polarisation mode dispersion (PMD) coefficient, cabled (max.)	<= 0.2 ps/vkm
Geometric characteristics	
Fiber core diameter	Ø 9 µm
Primary coating diameter	242 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. 0.4 dB/km
Attenuation of the fiber in the cable at 1383 nm	max. 0.4 dB/km
Attenuation of the fiber in the cable at 1550 nm	max. 0.25 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

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