# Data sheet
## OpDAT fiber OS2



**P/N**
**150XXXU9A2HS**

2026/09/29
Version: C

## 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 |

### Application note

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