

Polarization Maintaining Fibre for Tapering

Features

- Excellent geometrical uniformity
- High stability and reliability
- Tapering performance

Applications

- Polarization-maintaining fused-fibre couplers
- Polarization-based sensors

Specifications

Fibre type	PM 1310_125-16/250_C
Part No.	PM1016-D
Optical properties	
Operating wavelength (nm)	1310
Fibre cutoff wavelength (nm)	1100 ~ 1290
Mode field diameter (μm)	6.5±0.5@1310nm
Attenuation (dB/km)	≤1.0
Beat length (mm)	4.0 ~ 6.0
Polarization crosstalk@ 4m (dB)	≤-30@1310nm
Polarization crosstalk@ 100m (dB)	≤-25@1310nm
Geometrical properties	
Cladding diameter (μm)	124.5±1.0
Coating diameter (μm)	245.0±5.0
Cladding non-circularity (%)	≤1.5
Core/cladding concentricity error (μm)	≤0.5
Coating material	Dual-layer, UV-cured acrylate
Mechanical performance	
Operating temperature range (°C)	-45 ~ 85
Proof test level (kpsi)	100

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