Small Cladding Single Mode fibre
80 μm-1300; 80 μm-1550

Description

Small cladding single-mode fibre is a kind of bend insensitive SM fibre with higher NA. The small cladding/coating dimension reduces the sensitivity of the fibre to bending losses and allows extremely tight fibre coiling with low bending losses.

Application

- Devices requiring extremely tight bend radius
- Pump fibre
- Data transmission
- Sensors

Features

- Small cladding/coating dimension allows extremely tight fibre coiling with low bending losses
- Higher NA reduces the sensitivity of the fibre to bending losses
- Efficient coupling
- Dual UV acrylate coating provides superior protection from microbend-induced attenuation

Specifications

fibre type	80μm-1300	80μm-1550	Units
Optical Properties			
Operating Wavelength	1300	1550	nm
Maximum Attenuation	0.7 @ 1300nm	0.5 @ 1550nm	dB/km
Cut-off Wavelength	1220±50	1420±50	nm
Mode Field Diameter	5.5±0.5@1300nm	6.5±0.5@1550nm	μm
NA (Typical)	0.21	0.21	
Geometrie Properties			
Cladding diameter	80±1	80±1	μm
Coating diameter	165±10	165±10	μm
Core/cladding offset	≤0.5	≤0.5	μm
Mechanical and Testing data			
Proof test	>100	>100	kpsi
Delivery length (km/reel)	1, 2, 5	1, 2, 5	km

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