Special Cutoff Wavelength Single-mode Fibre (SW-SMF)

YOFC SW-SMFs are optimized in the core parameters and waveguide structure on the basis of ordinary single mode fibre. It takes advantage of PCVD process to realize operating wavelength of single-mode transmission under 980nm.

Characteristics

- Single cladding step profile
- Good Geometrical uniformity
- Good mechanical properties

Application

- Special light source device
- Pump tail fibre
- Coupler
- Compact optical device

Specifications

Fibre Type	SW 630_125-13/250	SW 780_125-14/250
Part No.	SW1010-A	SW1011-A
Optical Properties		
MFD(μm)	4±0.4 (630nm)	4.5±0.4(780nm)
NA(typical value)	0.13	0.14
Attenuation (dB/km)	≤8 (630nm)	≤4.3 (780nm)
Cut-off Wavelength (nm)	570±50	720±50
Geometrical Properties		
Cladding Diameter(μm)	124.8±0.7	124.8±0.7
Cladding Non-circularity(%)	≤1.0	≤1.0
Core/Cladding Concentricity(μm)	≤0.6	≤0.6
Coating Diameter(μm)	245±7	245±7
Curl(m)	≥4	≥4
Mechanical Properties		
Proof Test Level(kpsi)	100	100
Spool Length(km)	2~25	2~25
Environmental Properties		
Operating Temperature(°C)	-60~+85	-60~+85