# Dispersion Shifted Fiber

## Description

Opneti dispersion shifted fiber is specially developed through proprietary PCVD-based technology。Taking advantages of PCVD process, opneti is able to manufacture complex index-profile shapes accuratelly, therefore, it has good compatibility with standard single mode fiber to control the dispersion parameters flexibly.

## Characteristics

- Ultra low loss
- Low bending loss
- Low water peak
- Good anti-hydrogen aging performance

## Specifications

| Part No. | DSF1010-A | DSF1010-B |
|---|---|---|
| Operating Wavelength | O band, C band | |
| Attenuation [dB/km] | ⩽0.34@1310 nm | |
| | ⩽0.20@1550 nm | |
| Zero Dispersion Wavelength | ⩽1305 nm | ⩾1320 nm |
| Dispersion Slope [ps/(nm$^2$·km)] | ⩽0.090 | |
| Cable Cutoff Wavelength [nm] | ⩽1260 | |
| MFD [μm] | 8.7~9.5@1310 nm | |
| | 9.9~10.9@1550 nm | |
| Cladding Diameter [μm] | 125±0.7 | |
| Cladding Non-circularity [%] | ⩽1.0 | |
| Core/Clad.Concentricity Error | ⩽0.6 μm | |
| Coating Diameter [μm] | 245±7 | |
| Proof Test [kpsi] | ⩾100 | |
| Coating Strip Force [N] | tapical average 1.5 | |
| | peak force ⩾1.3 ⩽8.9 | |
| Dynamic Fatigue Parameter[Nd] | ⩾20 | |