

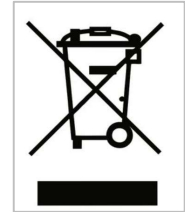
## Dispersion Shifted Fiber

### 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 accurately, 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 <sup>2</sup> ·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]                     | typical average 1.5  |           |
|                                             | peak force ≥1.3 ≤8.9 |           |
| Dynamic Fatigue Parameter[Nd]               | ≥20                  |           |