

SUSPENDED CORE PCF FIBER

悬芯光纤

在光子晶体光纤中，如果不断增大光子晶体光纤中的空气孔，其纤芯就会变得越来越孤立，最后整个纤芯会变成由几个细玻璃网所支撑的孤立玻璃丝结构，如下图所示，这种光纤具有较小的纤芯和大的空气孔，广泛应用于非线性效应的产生和光纤传感。

| Product reference | P-SCPCF-XX-YYY |
|---|------------------------------|
| Cladding diameter (μm) | 147 (+/- 1 μm) |
| Core diameter (μm) | 3.9 (+/-0.1 μm)* |
| Core material | Silica F300 |
| Mode Field Diameter @ 1550 nm | 2 μm |
| Coating diameter (μm) | 245 (+/-5 μm) |
| Coating material (μm) | Dual coat acrylate |
| Background Loss (dB/km) @ 1310 nm | < 50 |
| Web thickness (nm) | >150 nm |
| Key features | |
| Highly non linear, Pure silica core | |
| Applications | |
| Non linear phenomenons (supercontinuum generation), Fiber sensing | |
| *Other dimension available on request (1.4 to 4 μm range) | |

