

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，可应用于非线性

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)	

