光纤束
Fiber bundles
端面融合束
Multi-fiber assemblies

CeramOptec® 的端面融合束为长期持续高性能树立了标杆。熔接过程完全消除了光纤间间隙，因此 CeramOptec® 的端面融合束成为市场上最精密的光纤束之一。
由于该技术不依赖粘合剂，因此它们可耐受超过+600°C 的温度，使其成为要求苛刻的应用的首选

CeramOptec®'s fused-end bundles set the benchmark for consistently high long-term performance. The fusing process completely eliminates inter-fiber spaces and thus positions CeramOptec®'s fused-end bundles among the most sophisticated fiber bundles on the market. As the bundles do not rely on adhesive, they are resistant to temperatures of more than +600°C, making them the first choice for demanding applications!

Wavelength

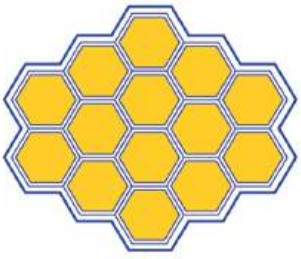
Fused-end bundles	190–2400 nm

Numerical aperture (NA)

Low	0.12 ± 0.02
Standard	0.22 ± 0.02
High	0.37 ± 0.02

优势
- 传输率高
- 无光纤间间隙
- 有效直径大
- 提供多种即用型组件
- 使用寿命长
- 多分支束分布均匀
- 耐高温性高于 +600°C

Advantages
- High transmission
- No inter-fiber spaces
- Large active diameter
- Wide range of ready-to-use assemblies available
- Long service life
- Even distribution in multi-branch bundles
- High temperature resistance above +600°C



由端面融合技术制成的光纤束在单个光纤之间没有间隙，因为光纤在熔接过程中获得了六边形的形状

Bundles made from end-fused fibers show no gaps between individual fibers, since the fibers attain a hexagonal shape during the fusing process.