

光纤束

Fiber bundles

Multi-fiber assemblies

Multi-fiber assemblies



CeramOptec® 的光纤束专为实现卓越品质和最佳光纤性能而设计。

我们针对各种参数（包括 NA 和封装效率）优化您的光纤束。我们的光纤组件可灵活配置，并根据您的应用需求进行精确定制。

CeramOptec®'s fiber bundles are designed for superior quality and optimum fiber optic properties. We optimize your bundles for various parameters, including NA and packing efficiency. Our fiber assemblies can be flexibly configured and tailored precisely to your application needs.

Options

Available fibers	All fibers from our range
Active bundle surface geometries	Circular Semi-circular Square Rectangular Line Ring Segmented ring
Bundle design	Single-branch Dual-branch Multi-branch
Bundle variant	Glued Fused Sorted AR coated
Connectors	SMA FC/PC ST and others upon customer request

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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)

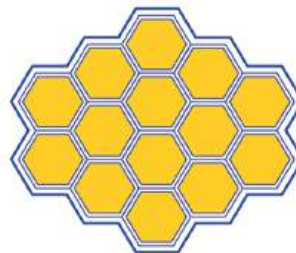
Low	0.12 ± 0.02
Standard	0.22 ± 0.02
High	0.37 ± 0.02

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.