

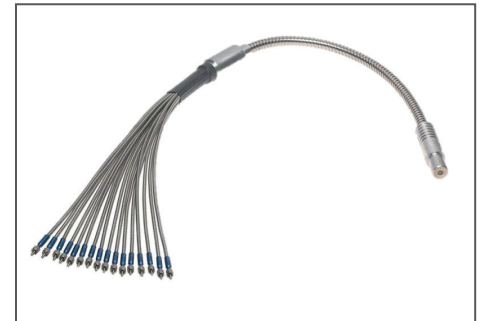


Delivering high-power optical fiber bundles, Polymicro Technologies™ Customized Optical Fiber Bundle Assemblies are produced from raw material to final product in one location for unparalleled customization and cost savings

Polymicro Technologies™ Optical Fiber Bundle Assemblies

Features and Benefits

Fully bundled optical fiber assemblies from a single source	Offers virtually unlimited options with design support, production, and assembly. Provides significant cost savings
Dense fiber count – up to thousands of fibers in one assembly	Enables design flexibility, simplicity, and adaptability. Maximizes the number of fibers in the bundle while minimizing empty, wasteful space
Fused bundling	Eliminates epoxy, fluorescence, and inter-fiber spaces. For use in high-temperature applications requiring high-power density, lamps, and lasers
High-precision fiber arrays	Designed for superior power throughput as well as input-output shape conversion. Includes both illumination and detection fibers in the same assembly
Ruggedized bundling conduit	Able to withstand a wide variety of operating conditions



Optical Fiber Bundle
16 Stainless-Steel Strip-Round
SMA 905 Connectors and
1 Common-End Custom Connector

Markets and Applications

Industrial

- Material Processing
- UV Curing
- Laser Welding/Soldering/Marking
- UV Photolithography
- UV Spectroscopy
- High Temperature Spectroscopy
- Sensors
- Analytical Instruments

Scientific

- UV Illumination and Monitoring
- UV Raman Spectroscopy



Optical Fiber Bundle



High-Precision Fiber Array



Multi-Leg Optical Fiber Bundle



Ordering Information

Custom Product	Description
Contact Molex	Polymicro Technologies™ Fused Optical Bundle Assemblies

Polymicro Technologies™ Optical Fiber Bundle Assemblies

www.molex.com/polymicro/fiberopticassemblies.html