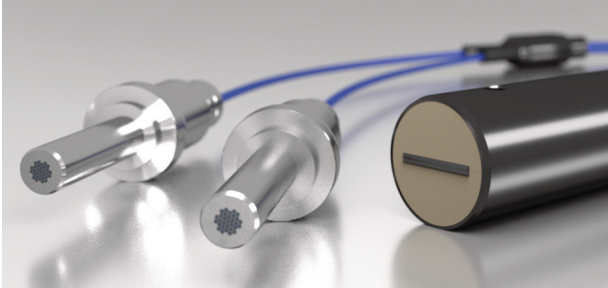




Fiber Optic Bundles

Customized Fiber Light Guides



SQS Vlakovna optika offers fiber optic bundles creating special optical fiber light guides in various configurations. Variety of bundled fiber numbers and fiber arrangement patterns may be combined with various configurations of fibers on the other side of the bundle, e.g. straight, bifurcated or fan-out configuration.

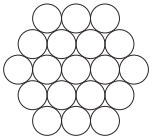
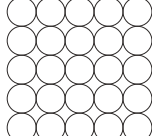
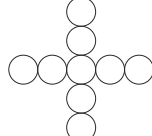

Fibers may be terminated with standard optical connectors. Fixing ferrules may be customized.

Applications: Signal splitting or combining, light beam reshaping

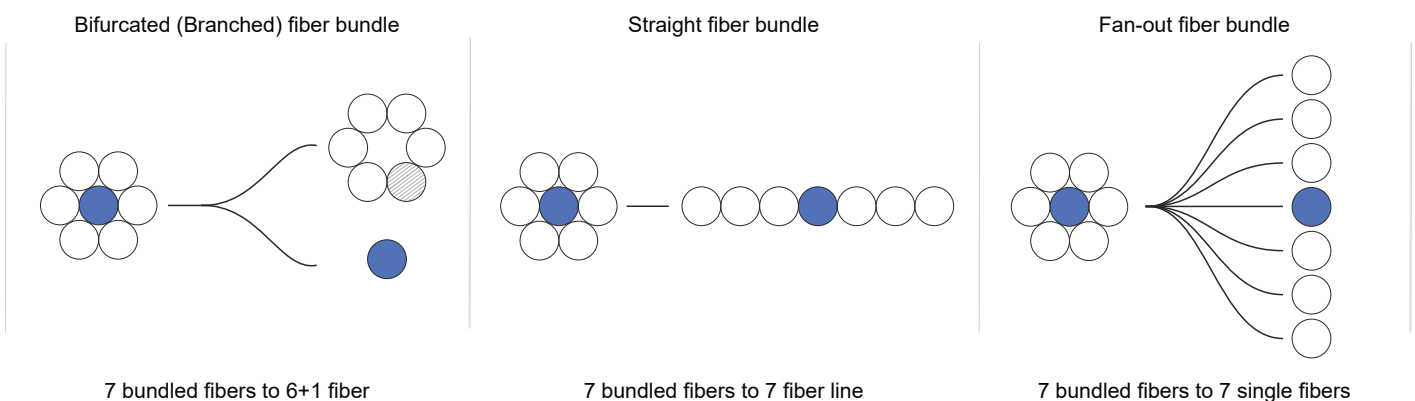
Specification

Fiber type	SI MM, GI MM, SM, PM, etc.
Connector type	SMA 905, FC, ST, etc.
Ferrule material	Metal (SS, Kovar, ...), Glass (Fused Silica), etc.
Tubing	Metal, PVC, PTFE, PVDF, etc.
Pattern	Round, square, line, hexagonal, cross, etc.
Fiber count	Based on customer requirements
Length	
Temperature range	
Vacuum compatibility	Optional UHV environment compliance

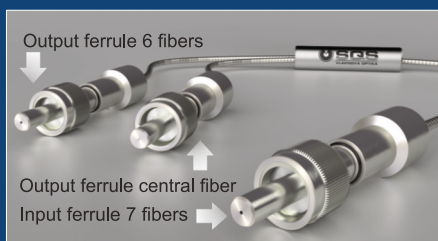
Bundled Fiber Pattern Examples

Hexagonal	Square	Cross	Precise V-groove array
			

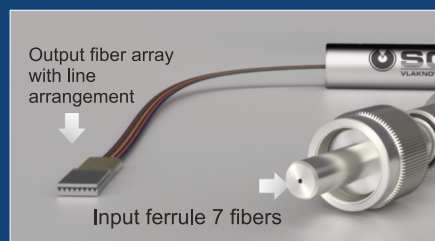
Bundle Configuration Examples



Bifurcated Fiber Bundle



Straight Fiber Bundle



Fan-Out Fiber Bundle

