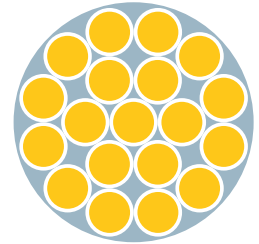


Fiber bundles

Overview

Gluing

Glued fiber bundles offer the greatest flexibility in terms of achievable diameters and geometries.



Sorting

A sorting of the fibers allows an even power distribution on several bundle arms and can increase the measuring precision by a spatial mapping of the fibers.



Fusion

For bundles of fused fibers all gaps between the fibers are removed, resulting in an increase of the filling factor and therefore the transmission by up to 20 %.



AR coating

An AR coating almost completely eliminates reflection losses at the fiber ends, which can increase transmission by about 7 %.

