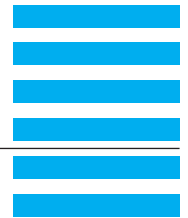


# Special Fiber Bundles



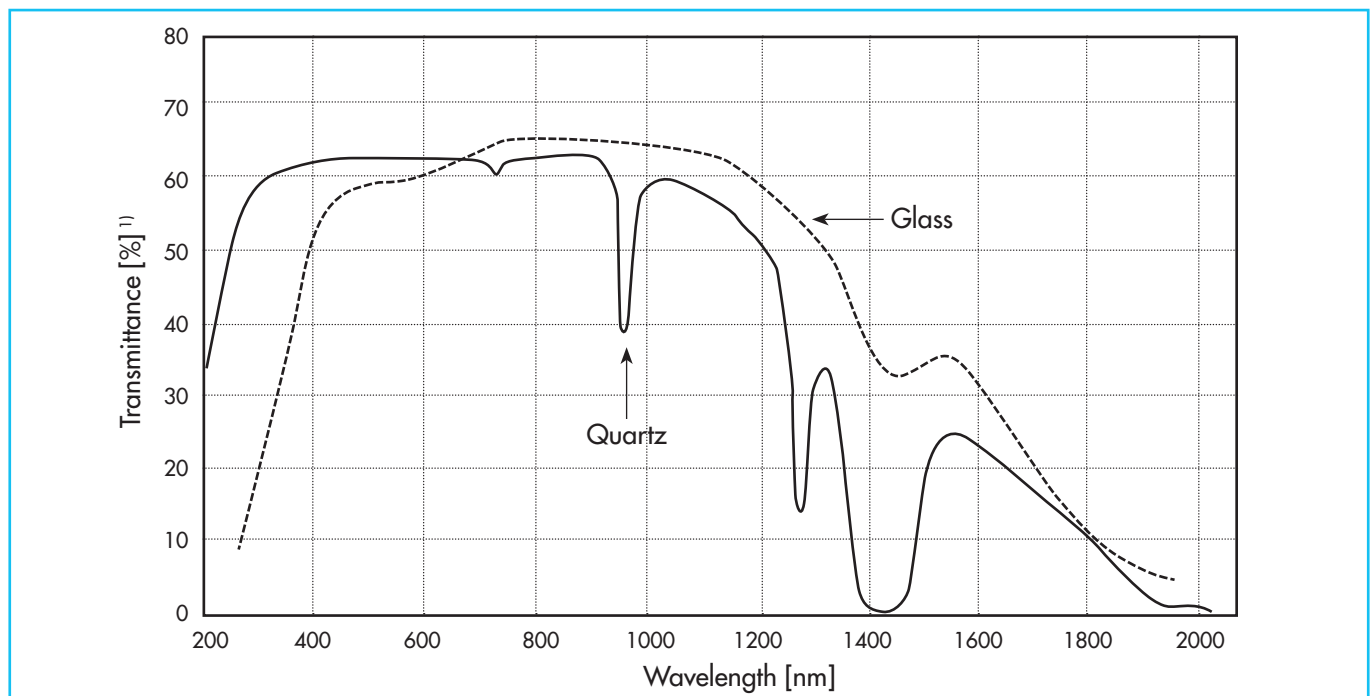
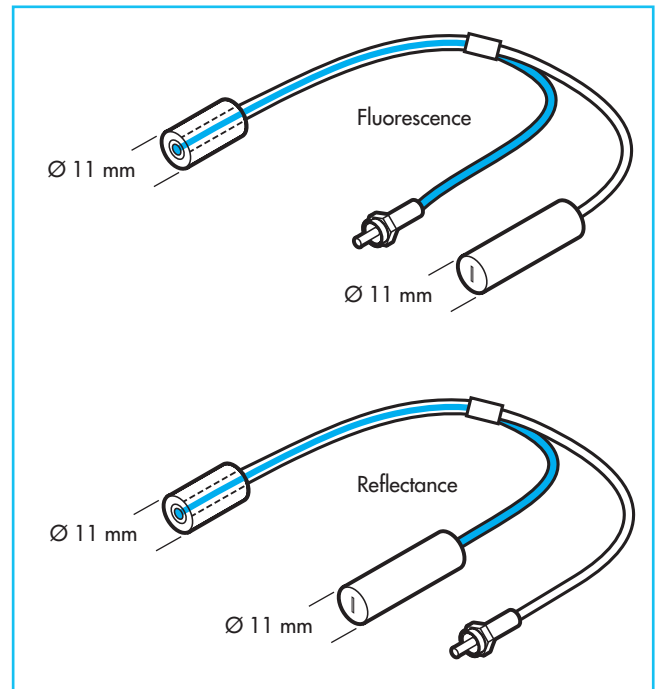
- for Fluorescence measurements
- for Reflectance measurements
- UV-NIR

These bifurcated quartz fiber bundles are specially designed for Fluorescence and Reflectance measurements.

The common end has a center and an outer bundle. The outer bundle is making up a ring around the inner bundle.

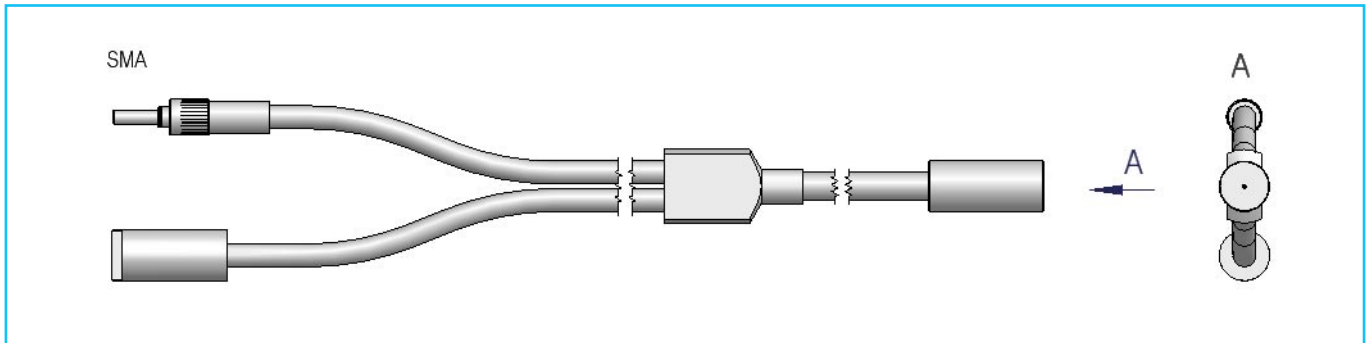
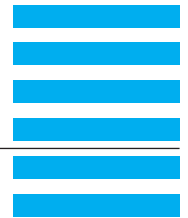
In the fluorescence type the fibers of the center bundle are from the input arm with SMA connector. The fibers of the outer bundle lead to the arm with a slit end (line of single fibers). The excitation radiation is piped down the center core and the fluorescence is collected by the ring of outer fibers and transmitted to a monochromator or spectrograph.

In the reflectance type the fiber arrangement is reversed. Light is sent down the outer ring for even illumination of the sample, the reflectance is collected by the center fibers and transmitted to the monochromator.



<sup>1)</sup> Length: 2 m

# Special Fiber Bundles



## Specifications, Ordering Information

	Type	Input Bundle Diameter [mm]	Slit B x H	Length <sup>1)</sup> [m]
<b>LLB310</b>	Fluorescence	0,6	100 µm x 2,5 mm	1
<b>LLB311</b>	Fluorescence	1,4	200 µm x 6,0 mm	1
<b>LLB320</b>	Reflectance	0,6	100 µm x 2,5 mm	1
<b>LLB321</b>	Reflectance	1,4	200 µm x 6,0 mm	1

For all of these fiber bundles the acceptance cone is 25°.

<sup>1)</sup> lengths up to 10 m available