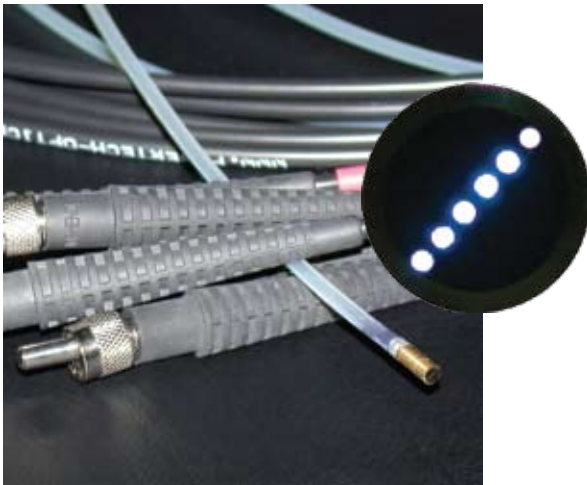


FEATURES

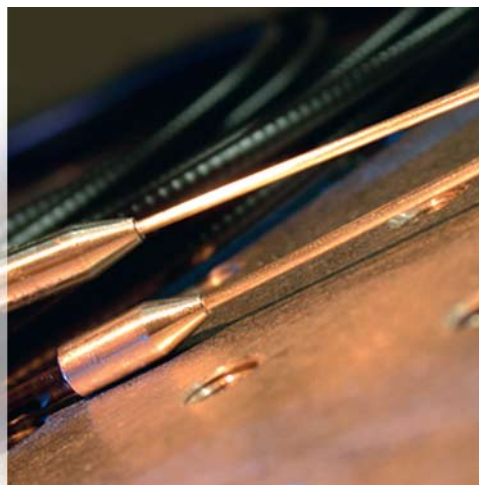
- single or multi-branch
- arbitrary geometries and fiber distributions
- custom end pieces
- application-specific designs and materials



Array of 6 fibers spaced $95\mu\text{m}$ apart inside 2.6 mm in diameter, 6 mm long ferrule made of black Delrin to prevent scattering



*Reflectance probe,
2 fibers inside SMA connector*



NEEDLES

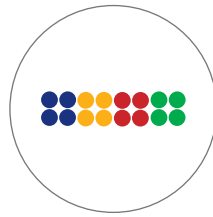
- single or multiple fibers
- straight or angle polished
- smallest diameter $250\mu\text{m}$
- typical length: 40 mm

6-around-1 needle, $950\mu\text{m}$ in diameter

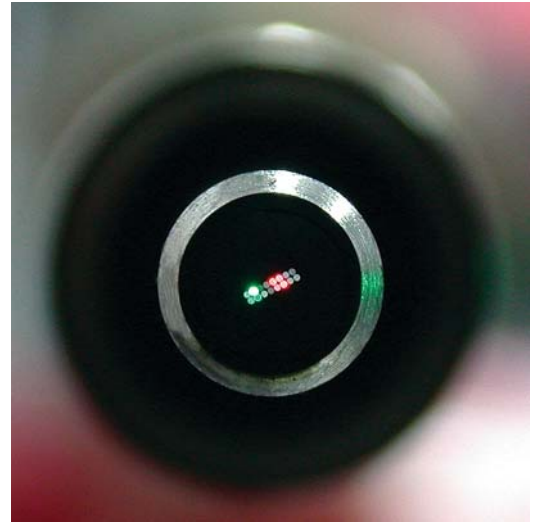


FEATURES

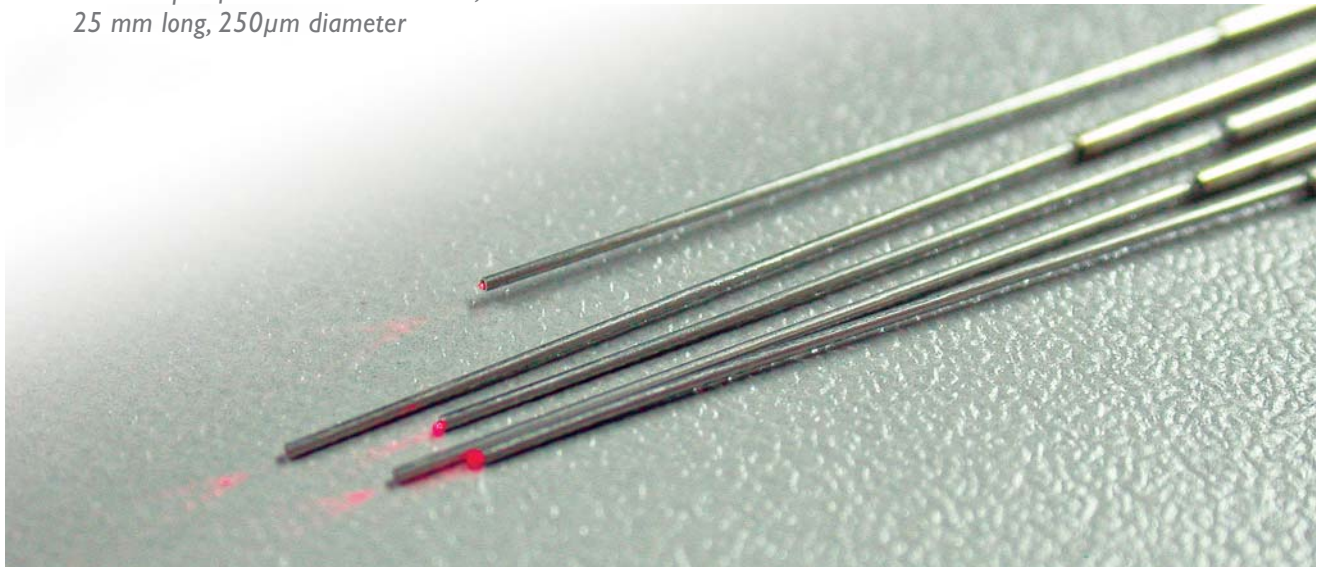
- single or multi-branch
- arbitrary geometries and fiber distributions
- custom end pieces
- application-specific designs and materials



*Multi-branch bundle
with a 4x4 array of 100 μ m fibers
inside a SMA connector*



*Needle tips of a multi-branch bundle;
25 mm long, 250 μ m diameter*



FEATURES

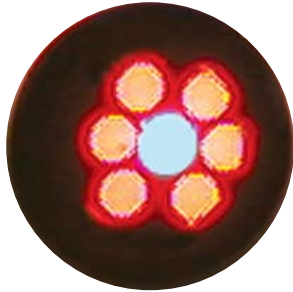
- single or multi-branch
- arbitrary geometries and fiber distributions
- custom end pieces
- application-specific designs and materials



*4 mm diameter reflectance probe
with 100 μ m, 200 μ m and 400 μ m core fibers*



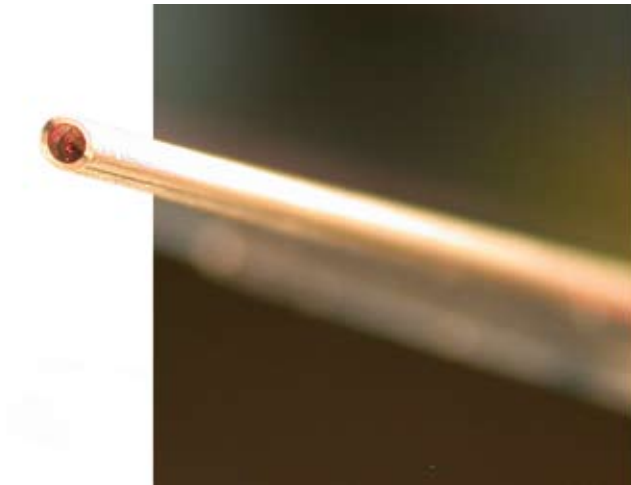
*Needle tips of a 50-branch bundle;
15 mm long, 250 μ m diameter*



*Through-window view
of the fiber bundle*

FEATURES

- needle tip: small diameter tubing
- wedged window
- low fluorescence adhesives
- epoxy-free light path



Needle probe tip

