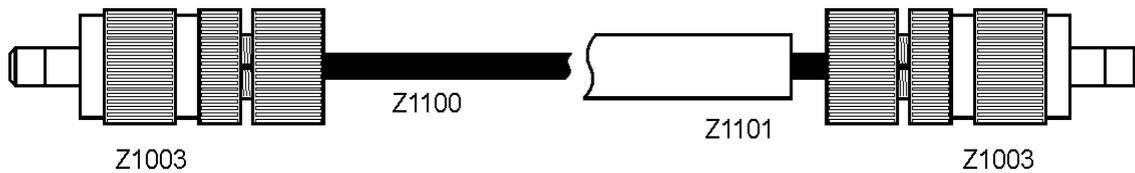


## Assembly instructions for the connector Z1003

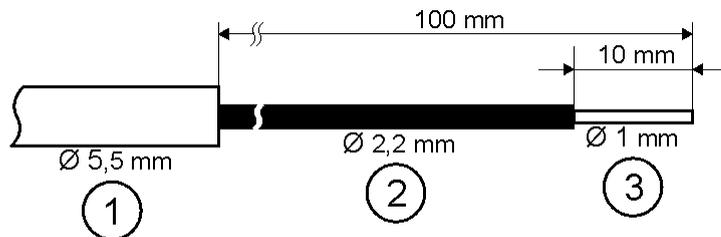
### Assembled view



Pay attention during the stripping and installation, that

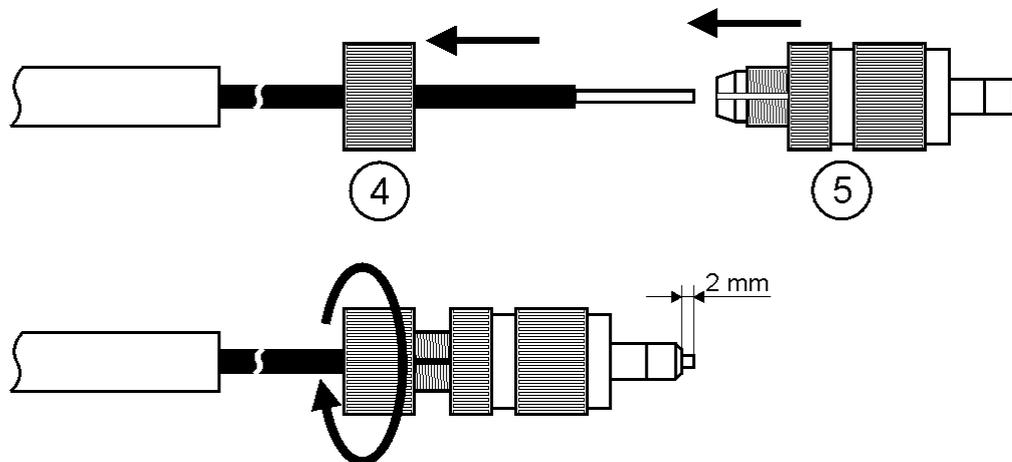
- the light guide must not be kinked
- the bending radius of the cable must not be tighter than 30mm.

### Prepare cable ends



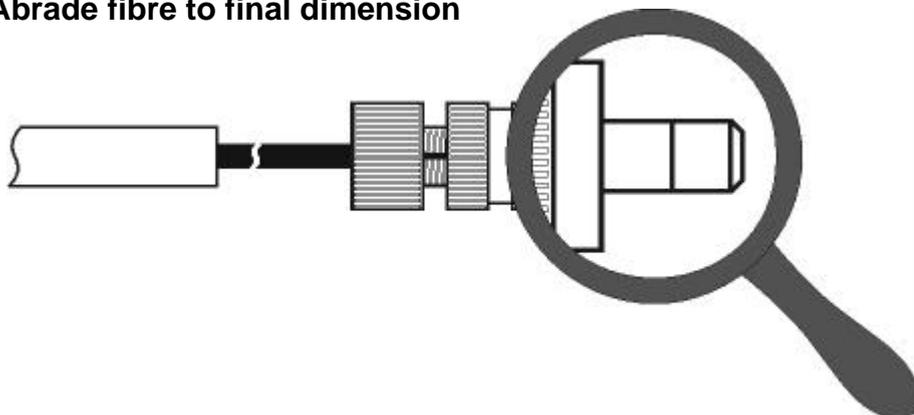
- First strip off the outer cable sheath (1) of the optical waveguide Z1101 by approx. 100 mm and cut the strain relief (yellow) back to the start of the outer cable sheath, by using a sharp edge cutter.
- Cut the black fibre cover (2) by approx. 10 mm.  
The plastic fibre (3) must not be hurt! Damaged fibres cause increased cable attenuation.

### Assemble connectors



- Put the cap nut (4) onto the cable.
- Put the connector (5) as far as it will go onto the fibre. The fibre must protrude from the connector guide by approx. 2 mm, so that any cracks present in the fibre end face are located outside the connector and can be removed by abrasion.
- Tighten the cap by hand (don't use a tool).

## Abrade fibre to final dimension



Do not cut off the protruding fibre end, because this could lead to crack formation, but

- abrade the protruding fibre end flush with the connector guide using abrasive paper (600 grain size). The connector guide must not be abraded during this process!

## Check fibre ends (Visual inspection)

Check the abraded fibre ends:

- The end of the fibre has to show flush with and right angled to the connector guide a clean, plane face.
- Present one cable end to a light source. On the other end, there must not be any scratches or cracks visible in the shining fibre.