



1. Splice inspection of cigarette filters

The splices of cigarettes should be controlled. For this purpose, a contrast sensor type **SPECTRO-2-FIO-(VIS/VIS)/(VIS/VIS)** in connection with two optical fibers **R-S-R2.1-(6x1)-1200-67°** and two optical frontends type **KL-8-R2.1** is used. At this, the distance from the respective optical frontend to the object is approximately 15mm. the spot size at this distance is around 6mm x 1mm. An open splice can be detected as shown in the screen shots.

