



1. Color control of the coating of an optical fiber

The coating of an optical fiber should be controlled. For this purpose, a color sensor type **SPECTRO-3-FIO-JR** in connection with an optical fiber type **R-S-R1.1-(3x0.5)-1200-67°** and an optical frontend type **KL-5-R1.1** are used. The distance of the frontend to the optical fiber is approximately 11mm and the spot size at this distance around 2mm x 0.3mm. The length axis of the white light spot is directed perpendicular to the transport direction of the optical fiber. As shown in the screenshots, color defects can be detected properly.

