



### 1. Color differentiation of plastic stripes

Different colored plastic stripes should be differentiated. For this purpose a color sensor type **SPECTRO-3-FIO-JR** in connection with an optical fiber type **R-S-R2.1-(6x1)-1200-67°** and an optical frontend type **KL-8-R2.1** is used. The distance of the frontend to the surface of the plastic tape is approximately 11mm and the spot size at this distance is around 3mm x 0.5mm. A proper differentiation of the respective plastic stripes is possible as shown in the screen shots.

