



1. Color control of silver colored metal wires

The color as well as the gray scale of a silver colored wire can differ in a coil as shown in the picture. To avoid this fluctuations the wire should be controlled with a color sensor type **SPECTRO-3-5-DIF-JR**. This type is optimized to suppress the direct reflection; only the diffus reflected light can path the receiver. The distance of the wire to the color sensor is approximately 5 mm. The slightly black colored wire can be proper distinguished from the silver colored wire. At this the diffuse light will be generated from a milky glass plate just in front of the white light LEDs. The color detector looks through a small channel onto the object.

