



# Automotive cable screened

## 2 x 0.5 mm<sup>2</sup> / RADOX 155S / RADOX 155

### General Properties:

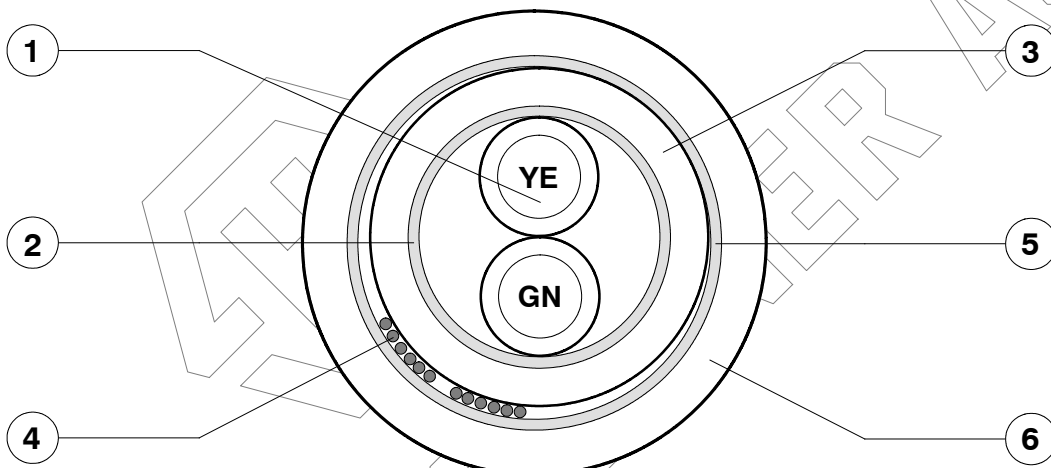
Excellent resistance to high and low temperature, ozone, UV and weathering resistance, resistant to pressure at high temperature, motor oil, fuels and hydrolysis, flame retardant, high abrasion resistant, solder iron resistant, easy to strip and process, according to ISO 6722 class D, ISO 14572.

Complies with EU-directive 2000/53/EG on end of life vehicles. It is free from lead, mercury, cadmium and chrome VI.

### Application:

Low voltage cable, for use in road vehicle applications.

**CAUTION** Special care shall be taken for cables used with voltages above 60 VDC to protect them from mechanical stress in order to avoid shock hazard (ISO 6722 : 2006).



|    |  |   |                                     |
|----|--|---|-------------------------------------|
| 1. | 2 Cores 0.5 mm <sup>2</sup><br>Type RADOX 155S | Conductor: stranded bare copper<br>Insulation: RADOX 155S<br>Colours: yellow, green | 19 x 0.18 mm D<br>D: 2.50 ± 0.10 mm |
| 2. | Wrapping                                       | Tape  |                                     |
| 3. | Sheath   | RADOX 155, colour: nature   | <b>D: 6.7 mm</b>                    |
| 4. | Drain wire                                     | Tin plated copper   | 12 x 0.23 mm D                      |
| 5. | Screen   | Plastic laminated Al - tape   | D: 7.2 mm                           |
| 6. | Sheath   | RADOX 155, colour: black  | <b>D: 8.3 ± 0.2 mm</b>              |

### Technical Data: (acc. To SAEJ1939-11 / rev. Sept. 2006)

|                               |                     |                |       |        |
|-------------------------------|---------------------|----------------|-------|--------|
| Conductor resistance at 20 °C | .....               | ≤ 39.0         | ..... | Ω / km |
| Voltage rating                | .....               | 60             | ..... | V      |
| Test voltage, 50 Hz, 1 min.   | .....               | 2'000          | ..... | V      |
| Characteristic Impedance      | .....               | 120 ± 12       | ..... | Ω      |
| Capacitance                   | ..... core / core   | ≤ 75           | ..... | pF / m |
|                               | ..... core / screen | ≤ 110          | ..... | pF / m |
| Temperature range (3'000 h)   | .....               | - 40 ... + 150 | ..... | °C     |
| Min. bending radius           | ..... fixed         | 4 x cable D    |       |        |
|                               | ..... flexing       | 6 x cable D    |       |        |
| Cable weight per 100 m        | .....               | approx. 6.3    | ..... | kg     |

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