



Automotive cable, tinned/bare copper flexible RADOX 155S FLR Anticapillary

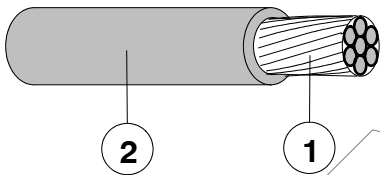
General Properties:

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.

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.



1. Conductor: Stranded tinned/bare copper, specially filled
2. Insulation: RADOX 155S , (91X acc. to DIN 76722) extruded irradiation crosslinked polyolefin
Colours: various

Technical Data:

| | | | | |
|-------------------------------------|-------|-----------------------|-------|-------------------|
| Voltage rating | ..... | ≤ 0.5 mm ² | ..... | 60 V |
| | | > 0.5 mm ² | ..... | 600 V |
| Test voltage AC | ..... | < 0.5 mm ² | ..... | 3'000 V |
| | | 0.5 mm ² | ..... | 5'000 V |
| | | > 0.5 mm ² | ..... | 8'000 V |
| Temperature range (3'000 h) | ..... |  |  | - 40 ... + 150 °C |
| Min. bending radius | ..... | fixed | ..... | 3 x cable D |
| | | flexing | ..... | 5 x cable D |
| Recommended for use, minimum length | ..... |  |  | 200 mm |

Dimensions according to DIN 72551 part 6 type A

| Cross-section | Conductor | | | | Core | | | |
|---------------|-------------------------|----------------------------|--------------------------------------|------------------|------------------------------|------|------------------------|-------------|
| | Nominal mm ² | Number of individual wires | Diameter of individual wires max. mm | Diameter max. mm | Resistance at 20° C max Ω/km | | Wall thickness min. mm | Diameter mm |
| | | | | | tinned | bare | | |
| 0.35 | 7 | 0.26 | 0.8 | 54.5 | 52.0 | 0.20 | 1.25 ± 0.05 | |
| 0.5 | 19 | 0.19 | 1.0 | 38.2 | 37.1 | 0.22 | 1.5 ± 0.1 | |
| 0.75 | 19 | 0.23 | 1.2 | 25.4 | 24.7 | 0.24 | 1.8 ± 0.1 | |
| 1.0 | 19 | 0.26 | 1.35 | 19.1 | 18.5 | 0.24 | 2.0 ± 0.1 | |
| 1.5 | 19 | 0.32 | 1.7 | 13.0 | 12.7 | 0.24 | 2.3 ± 0.1 | |

Copyright 2014 Huber + Suhner AG. This document may not be copied nor be passed on to third parties without our written permission
Uncontrolled copy when printed [will not be updated].

The product fulfils the test and specification requirements described in this document for the stated areas of application and operating conditions. HUBER+SUHNER AG does not expressly or implicitly guarantee performance under additional or changed conditions. Deviations are to be agreed upon in writing.

HUBER+SUHNER
Low Frequency Division

CH- 8330 Pfäffikon



+41 (0)44 952 22 11



+41 (0)44 952 26 40

www.hubersuhner.com