

## RADOX 155 (FLR4G and FLHR4G)

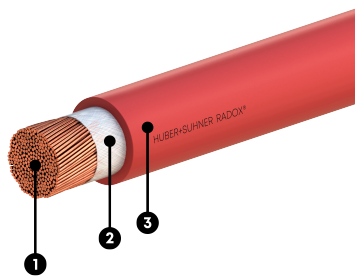
### Automotive cable, flexible

#### Properties

- Excellent resistance to :
  - High and low temperature
  - Ozone, UV and weathering resistance
  - Resistant to pressure at high temperature.
  - Motor oil, fuels & hydrolysis.
  - Flame retardant, high abrasion resistant and solder iron resistant
  - Easy to strip and to process
  - Design according to ISO 19642-5 (structure B), ADR and ECER118 approved
  - Complies with EU- directive 2000/53/EG on end of life vehicles.
  - All materials are free from lead, mercury, cadmium, PFAS and chrome VI.

#### Application

Cable, for use in on-road & off-road vehicle applications



| Construction |            |   |
|--------------|------------|---|
| 1.           | Conductor  | Bare copper, stranded, acc. to ISO 19642-5 (Structure B)      |
| 2.           | Coverage   | Tape  |
| 3.           | Insulation | RADOX 155 (4G)<br>extruded irradiation crosslinked polyolefin |
|              | Colours    | Various   |

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| Electrical data          |                          |
|--------------------------|--------------------------|
| Voltage rating AC        | U <sub>0</sub> 1000 V AC |
| Voltage rating DC        | V <sub>0</sub> 1500 V DC |
| Test voltage, 50Hz, 5min | 10000 V AC               |

| Mechanical data             |                   |
|-----------------------------|-------------------|
| Temperature range (3000h)   | -40 °C ... +150°C |
| Min. bending radius fixed   | 3 x D             |
| Min. bending radius flexing | 5 x D             |

| Core Size<br>[mm <sup>2</sup> ] | Conductor                |                   |                                   | Wall Thickness<br>min.<br>[mm] | Cable<br>ø<br>nom.<br>[mm] | Cable weight<br>Tolerance ±3%<br>nom.<br>[kg/100m] | Colours      | H+S<br>Part No. |
|---------------------------------|--------------------------|-------------------|-----------------------------------|--------------------------------|----------------------------|--|--------------|-----------------|
|                                 | Type<br>nom.<br>[n x mm] | ø<br>max.<br>[mm] | R <sub>20</sub><br>max.<br>[Ω/km] |                                |                            |  |              |                 |
| 1x8                             | 60x0.41                  | 3.8               | 2.38                              | 0.4                            | 5.05±0.15                  | 8  | Black        | 85028347        |
| 1x8                             | 60x0.41                  | 3.8               | 2.38                              | 0.4                            | 5.05±0.15                  | 8  | Red          | 84119795        |
| 1x10                            | 78x0.41                  | 4.3               | 1.82                              | 0.5                            | 5.75±0.2                   | 10.5   | Black        | 84100300        |
| 1x10                            | 78x0.41                  | 4.3               | 1.82                              | 0.5                            | 5.75±0.2                   | 10.5   | Red          | 84151390        |
| 1x12                            | 92x0.41                  | 4.7               | 1.52                              | 0.5                            | 6.1±0.2                    | 12   | Black        | 85101217        |
| 1x12                            | 92x0.41                  | 4.7               | 1.52                              | 0.5                            | 6.1±0.2                    | 12   | Red          | 84119796        |
| 1x16                            | 126x0.41                 | 5.4               | 1.16                              | 0.52                           | 6.9±0.2                    | 16.5   | Black        | 12566198        |
| 1x16                            | 126x0.41                 | 5.4               | 1.16                              | 0.52                           | 6.9±0.2                    | 16.5   | Orange       | 85109347        |
| 1x16                            | 126x0.41                 | 5.4               | 1.16                              | 0.52                           | 6.9±0.2                    | 16.5   | Green-Yellow | 85066282        |
| 1x16                            | 126x0.41                 | 5.4               | 1.16                              | 0.52                           | 6.9±0.2                    | 16.5   | Red          | 84105636        |
| 1x25                            | 189x0.41                 | 6.7               | 0.743                             | 0.55                           | 8.2±0.2                    | 24.2   | Black        | 12566199        |
| 1x25                            | 189x0.41                 | 6.7               | 0.743                             | 0.55                           | 8.2±0.2                    | 24.2   | Green-Yellow | 85066283        |
| 1x25                            | 189x0.41                 | 6.7               | 0.743                             | 0.55                           | 8.2±0.2                    | 24.2   | Red          | 84150410        |
| 1x25                            | 189x0.41                 | 6.7               | 0.743                             | 0.55                           | 8.2±0.2                    | 24.2   | Orange       | 85096464        |
| 1x35                            | 273x0.41                 | 7.9               | 0.527                             | 0.65                           | 9.7±0.25                   | 35   | Black        | 12568879        |
| 1x35                            | 273x0.41                 | 7.9               | 0.527                             | 0.65                           | 9.7±0.25                   | 35   | Green-Yellow | 85066288        |
| 1x35                            | 273x0.41                 | 7.9               | 0.527                             | 0.65                           | 9.7±0.25                   | 35   | Orange       | 85066285        |
| 1x35                            | 273x0.41                 | 7.9               | 0.527                             | 0.65                           | 9.7±0.25                   | 35   | Red          | 12583157        |
| 1x50                            | 385x0.41                 | 9.4               | 0.368                             | 0.8                            | 11.5±0.25                  | 49.2   | Black        | 84100302        |
| 1x50                            | 385x0.41                 | 9.4               | 0.368                             | 0.8                            | 11.5±0.25                  | 49.2   | Green-Yellow | 85026580        |
| 1x50                            | 385x0.41                 | 9.4               | 0.368                             | 0.8                            | 11.5±0.25                  | 49.2   | Orange       | 85066291        |
| 1x50                            | 385x0.41                 | 9.4               | 0.368                             | 0.8                            | 11.5±0.25                  | 49.2   | Red          | 84096060        |
| 1x70                            | 360x0.51                 | 11.6              | 0.259                             | 0.8                            | 13.7±0.25                  | 69.7   | Black        | 12568833        |
| 1x70                            | 360x0.51                 | 11.6              | 0.259                             | 0.8                            | 13.7±0.25                  | 69.7   | Green-Yellow | 85066293        |
| 1x70                            | 360x0.51                 | 11.6              | 0.259                             | 0.8                            | 13.7±0.25                  | 69.7   | Orange       | 85066292        |
| 1x70                            | 360x0.51                 | 11.6              | 0.259                             | 0.8                            | 13.7±0.25                  | 69.7   | Red          | 12568625        |
| 1x95                            | 480x0.51                 | 13.5              | 0.196                             | 0.9                            | 16.2±0.3                   | 93.8   | Black        | 84107781        |
| 1x95                            | 480x0.51                 | 13.5              | 0.196                             | 0.9                            | 16.2±0.3                   | 93.8   | Green-Yellow | 85146930        |
| 1x95                            | 480x0.51                 | 13.5              | 0.196                             | 0.9                            | 16.2±0.3                   | 93.8   | Orange       | 85112147        |
| 1x95                            | 480x0.51                 | 13.5              | 0.196                             | 0.9                            | 16.2±0.3                   | 93.8   | Red          | 84150428        |
| 1x120                           | 589x0.51                 | 15.1              | 0.153                             | 0.9                            | 18±0.3                     | 114.7  | Black        | 84117096        |
| 1x120                           | 589x0.51                 | 15.1              | 0.153                             | 0.9                            | 18±0.3                     | 114.7  | Red          | 84110776        |
| 1x150                           | 741x0.51                 | 17                | 0.122                             | 1                              | 20±0.3                     | 143.4  | Black        | 84133912        |
| 1x150                           | 741x0.51                 | 17                | 0.122                             | 1                              | 20±0.3                     | 143.4  | Red          | 84111253        |

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