

## Flexible low noise cable G\_01130\_HT-01

### Description

G: RF cables with PE dielectrics

Low-noise coax, 50 Ohm, 1 GHz, 85°C, ø3.15 mm, PVC jacket



### Technical Data

#### Construction

|                  | Material                 | Detail        | Diameter        |
|------------------|--------------------------|---------------|-----------------|
| Centre conductor | Copper                   | Wire          | 0.4 mm          |
| Dielectric       | PE (Polyethylene)        |               | 1.4 mm          |
| Semi conductor   | PVC (Polyvinyl chloride) |               | 1.9 mm          |
| Outer conductor  | Copper                   | Braid, 91 %   | 2.4 mm          |
| Jacket           | PVC (Polyvinyl chloride) | RAL 7035 - gr | 3.15 mm +/- 0.1 |

Print: HUBER+SUHNER G 01130 HT-01 50 Ohm (production order number)

#### Electrical Data

|                                |                                      |
|--------------------------------|--------------------------------------|
| Impedance                      | 50 Ω                                 |
| Max. operating Frequency       | 1 GHz                                |
| Capacitance                    | 101 pF/m                             |
| Velocity of signal propagation | 66 %                                 |
| Signal delay                   | 5 ns/m                               |
| Insulation resistance          | ≥ 1 x 10 <sup>8</sup> MΩm            |
| Max. operating voltage         | 1.5 kV <sub>rms</sub> (at sea level) |
| Test voltage                   | 3 kV <sub>rms</sub> (50 Hz/1 min)    |
| Max. noise level               | 10 mV                                |

#### Mechanical Data

|                |                                          |
|----------------|------------------------------------------|
| Weight         | 1.6 kg/100 m                             |
| Bending Radius | static<br>20 mm                          |
|                | repeated (for max. 50 bendings)<br>35 mm |

#### Environmental Data

|                                                      |                  |
|------------------------------------------------------|------------------|
| Temperature range                                    | -25 °C... +85 °C |
| Installation temperature                             | -20 °C... +60 °C |
| 2011/65/EU (RoHS - including 2015/863 and 2017/2102) | compliant        |

### Additional Information

#### Ordering Information

|          |               |
|----------|---------------|
| Order as | G_01130_HT-01 |
|----------|---------------|

#### Remarks

(For details refer to the HUBER+SUHNER RF CABLES GENERAL CATALOGUE or contact your nearest HUBER+SUHNER partner)

|             |                  |
|-------------|------------------|
| Cable group | U3 2 mm / 50 Ohm |
|-------------|------------------|

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G\_01130\_HT-01