

**Low-noise coax, 75 Ohm, 1 GHz, 85°C, ø6.1 mm, PVC jacket**

G\_04233\_HT-01

**Properties**

- Alternative to standard RG cables
- Low noise
- Coax construction
- 75 Ohm characteristic Impedance



| Construction     |                          |               |                   |
|------------------|--------------------------|---------------|-------------------|
| Component        | Material                 | Detail        | Diameter          |
| Centre conductor | Steel, Copper plated     | Wire          | 0.58 mm           |
| Dielectric       | PE (Polyethylene)        |               | 3.64 mm           |
| Semi-conductor   | PVC (Polyvinyl chloride) |               | 4.2 mm            |
| Outer conductor  | Copper                   | Braid, 92%    | 5 mm              |
| Jacket           | PVC (Polyvinyl chloride) | RAL 9005 - bk | 6.1 mm +/- 0.2 mm |

| Electrical data                  |                |
|----------------------------------|----------------|
| Impedance                        | 75 Ω           |
| Operating frequency              | ≤ 1 GHz        |
| Capacitance                      | 69.1 pF/m      |
| Insulation resistance            | ≥ 1000000 MΩ*m |
| Operating Voltage (at sea level) | ≤ 3 kVrms      |
| Test voltage (50 Hz/1 min)       | ≤ 6 kVrms      |
| Noise level                      | ≤ 50 mV        |

| Mechanical data         |                            |
|-------------------------|----------------------------|
| Weight                  | approx. 54 g/m             |
| Static bending radius   | ≤ 35 mm                    |
| Repeated bending radius | 70 mm (bendings, up to 50) |

| Environmental data       |                   |
|--------------------------|-------------------|
| Operation temperature    | -25 °C ... 85 °C  |
| Installation temperature | -20 °C ... 60 °C  |
| Fire characteristics     | contains halogene |

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| Suitable connectors  |                  |                            |
|----------------------|------------------|----------------------------|
| Cable group          |                  | U18                        |
| Ordering information |                  |                            |
| Item number          | Item description | Available as assembly only |
| 22511337             | G_04233_HT-01    | No                         |

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