

## RG 58-PVC

Product-Nr.: 1084

DOP.: Fca



### Usage

RG cables are now internationally established as a standard and are used in all areas of electronics, especially in measurement, radio and information technology. Our 50 Ohm coaxial cables are available in all common outer diameters, both single and multiple shielded. Furthermore, our RG coaxial cables are manufactured according to the specifications of MIL C-17.

### Weight

0,03574 kg/m

### Construction

|                                    |                                                |
|------------------------------------|------------------------------------------------|
| Photo                              | Colours and design may differ from the picture |
| Inner conductor dimensions [mm]    | 0,9 (19 x 0,18)                                |
| Inner Conductor material           | Cu tinned                                      |
| Insulation dimensions [mm]         | 2,95                                           |
| Insulation material                | LD-PE                                          |
| 1. Outer Conductor dimensions [mm] | 3,59                                           |
| 1. Outer Conductor material        | Cu braid tinned                                |
| Jacket dimensions [mm]             | 4,85 ± 0,10                                    |
| Jacket material                    | PVC                                            |
| Construction Number                | 930162                                         |

### Electrical Properties

|                                      |        |
|--------------------------------------|--------|
| Characteristic impedance [Ω]         | 50 ± 2 |
| Attenuation at 1 MHz [db/100m]       | 1,9    |
| Attenuation at 10 MHz [db/100m]      | 4,5    |
| Attenuation at 20 MHz [db/100m]      | 6,5    |
| Attenuation at 50 MHz [db/100m]      | 9,9    |
| Attenuation at 100 MHz [db/100m]     | 15,2   |
| Attenuation at 200 MHz [db/100m]     | 21,6   |
| Attenuation at 500 MHz [db/100m]     | 34,3   |
| Attenuation at 1000 MHz [db/100m]    | 53,7   |
| Attenuation at 2000 MHz [db/100m]    | 83,7   |
| Attenuation at 3000 MHz [db/100m]    | 107,5  |
| Velocity ratio [v/c]                 | 0,66   |
| DC resistance inner conductor [Ω/km] | 36     |
| DC resistance outer conductor [Ω/km] | 17     |
| Capacitance approx. [pF/m]           | 101    |
| Return loss 5-50 MHz [db]            | >26    |
| Return loss 50-470 MHz [db]          | >24    |
| Return loss >470-1000 MHz [db]       | >23    |

### Mechanical Properties

|                           |    |
|---------------------------|----|
| Max. tensile strength [N] | 88 |
|---------------------------|----|

|                                     |           |
|-------------------------------------|-----------|
| Operating temperature range [°C]    | -20 / +70 |
| Heat of combustion [kWh/m]          | 0,16      |
| Installation temperature range [°C] | -5 / +55  |
| Storage temperature range [°C]      | -50 / +70 |
| UV-resistance                       | Very good |
| Min. bending radius (dynamic) [mm]  | 50        |
| Min. bending radius (static) [mm]   | 25        |

Alle Angaben verstehen sich, falls nicht anders angegeben, als Nennwert. Änderungen in Konstruktion und Ausführung vorbehalten.  
The data provided is based on nominal values. Subject to change without notice and errors excepted.