

## RG 59-PVC

Product-Nr.: 1085

DOP.: Eca



### Usage

Coaxially constructed high-frequency cables of the highest quality. Multiple shielding for optimum shielding effectiveness and interference-free transmission. It is used in broadband distribution networks for cable television, among other things, but also in broadband transmission systems and in (CCTV). Furthermore, our RG coaxial cables are manufactured according to the specifications of MIL C-17.

### Weight

0,05152 kg/m

### Construction

|                                 |                                                |
|---------------------------------|------------------------------------------------|
| Photo                           | Colours and design may differ from the picture |
| Inner conductor dimensions [mm] | 0,58                                           |
| Inner Conductor material        | Copper clad steel                              |
| Insulation dimensions [mm]      | 3,71                                           |
| Insulation material             | PE                                             |
| 1. Outer Conductor material     | Cu braid                                       |
| Jacket dimensions [mm]          | 6,15                                           |
| Jacket material                 | PVC                                            |
| Construction Number             | 930163                                         |

### Electrical Properties

|                                               |            |
|-----------------------------------------------|------------|
| Characteristic impedance [ $\Omega$ ]         | 75 $\pm$ 3 |
| Attenuation at 1 MHz [db/100m]                | 1,0        |
| Attenuation at 10 MHz [db/100m]               | 3,3        |
| Attenuation at 20 MHz [db/100m]               | 4,7        |
| Attenuation at 50 MHz [db/100m]               | 7,6        |
| Attenuation at 100 MHz [db/100m]              | 11,0       |
| Attenuation at 200 MHz [db/100m]              | 15,9       |
| Attenuation at 500 MHz [db/100m]              | 26,3       |
| Attenuation at 1000 MHz [db/100m]             | 38,9       |
| Attenuation at 2000 MHz [db/100m]             | 58,6       |
| Attenuation at 3000 MHz [db/100m]             | 65,4       |
| Velocity ratio [v/c]                          | 0,66       |
| DC resistance inner conductor [ $\Omega$ /km] | 168        |
| DC resistance outer conductor [ $\Omega$ /km] | 8          |
| Capacitance approx. [pF/m]                    | 67         |

### Mechanical Properties

|                                             |           |
|---------------------------------------------|-----------|
| Operating temperature range [ $^{\circ}$ C] | -20 / +70 |
| Heat of combustion [kWh/m]                  | 0,25      |
| Max. tensile strength [N]                   | 166       |
| Min. bending radius (dynamic) [mm]          | 60        |

|                                   |           |
|-----------------------------------|-----------|
| Min. bending radius (static) [mm] | 30        |
| UV-resistance                     | Very good |

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.