

RG 213-PVC

Product-Nr.: 1097

DOP.: Eca



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

0,15034 kg/m

Construction

Photo	Colours and design may differ from the picture
Inner conductor dimensions [mm]	2,25 (7 x 0,75)
Inner Conductor material	Cu bare
Insulation dimensions [mm]	7,24
Insulation material	LD-PE
1. Outer Conductor dimensions [mm]	8,05
1. Outer Conductor material	Cu braid
1. Outer Conductor opt. coverage [%]	94
Jacket dimensions [mm]	10,30
Jacket material	PVC
Construction Number	930165

Electrical Properties

Characteristic impedance [Ω]	50 \pm 2
Attenuation at 1 MHz [dB/100m]	0,9
Attenuation at 10 MHz [dB/100m]	1,8
Attenuation at 20 MHz [dB/100m]	2,5
Attenuation at 50 MHz [dB/100m]	3,9
Attenuation at 100 MHz [dB/100m]	6,0
Attenuation at 200 MHz [dB/100m]	10,0
Attenuation at 500 MHz [dB/100m]	13,9
Attenuation at 1000 MHz [dB/100m]	23,2
Attenuation at 2000 MHz [dB/100m]	34,3
Attenuation at 3000 MHz [dB/100m]	43,3
Velocity ratio [v/c]	0,66
DC resistance inner conductor [Ω /km]	5,5
DC resistance outer conductor [Ω /km]	4,5
Capacitance approx. [pF/m]	101
Max. operating voltage [kV DC]	3,7
Return loss 5-50 MHz [dB]	>29
Return loss 50-470 MHz [dB]	>26
Return loss >470-1000 MHz [dB]	>23
Return loss >1000-2000 MHz [dB]	

Remark on Return Loss

Einzelne Spitzen sind zulässig.

Electrical Specifications

Mechanical Properties

Max. tensile strength [N]	399
Operating temperature range [°C]	-20 / +70
Heat of combustion [kWh/m]	0,71
Installation temperature range [°C]	-5 / +55
Storage temperature range [°C]	-20 / +70
UV-resistance	Very good
Min. bending radius (dynamic) [mm]	100
Min. bending radius (static) [mm]	50

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.