

RG 303

Product-Nr.: 3714

DOP.: n.s.



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

0,04386 kg/m

Construction

Photo	Colours and design may differ from the picture
Inner conductor dimensions [mm]	0,90
Inner Conductor material	Cu silver plated
Insulation dimensions [mm]	2,95
Insulation material	FEP
1. Outer Conductor dimensions [mm]	3,50
1. Outer Conductor material	Cu braid silver plated
1. Outer Conductor opt. coverage [%]	95
Jacket dimensions [mm]	4,32 ± 0,13
Jacket material	FEP brown transp.
Construction Number	130414

Electrical Properties

Characteristic impedance [Ω]	50 ± 2
Attenuation at 100 MHZ [db/100m]	15,9
Attenuation at 200 MHZ [db/100m]	22,8
Attenuation at 500 MHZ [db/100m]	37,9
Attenuation at 1000 MHZ [db/100m]	57,1
Attenuation at 2000 MHZ [db/100m]	87,9
Attenuation at 3000 MHZ [db/100m]	115,0
Velocity ratio [v/c]	0,69
DC resistance inner conductor [Ω /km]	< 28
DC resistance outer conductor [Ω /km]	< 20
Capacitance approx. [pF/m]	98
Insulation resistance [$M\Omega \cdot km$]	> 10

Mechanical Properties

Max. tensile strength [N]	99
Operating temperature range [°C]	-55 / +200
Heat of combustion [kWh/m]	0,03
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.