

RG 215 (groundable)

Product-Nr.: 1099

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

0,28489 kg/m

Construction

Photo	Colours and design may differ from the picture
Inner conductor dimensions [mm]	7 x 0,75
Inner Conductor material	Cub
Insulation dimensions [mm]	7,24
Insulation material	LD-PE
1. Outer Conductor dimensions [mm]	8,1
1. Outer Conductor material	CuGb
1. Outer Conductor opt. coverage [%]	94
Intermediate jacket dimensions [mm]	10,00 ± 0,20
Intermediate jacket material	PVC black
Jacket dimensions [mm]	10,30
Armouring dimensions [mm]	11,1
Armouring material	galvanized Iron wire
Armouring opt. coverage [%]	91
Construction Number	911089

Electrical Properties

Characteristic impedance [Ω]	50+-2
Attenuation at 1 MHZ [db/100m]	0,5
Attenuation at 10 MHZ [db/100m]	2,0
Attenuation at 20 MHZ [db/100m]	2,9
Attenuation at 50 MHZ [db/100m]	4,7
Attenuation at 100 MHZ [db/100m]	6,8
Attenuation at 200 MHZ [db/100m]	10,1
Attenuation at 500 MHZ [db/100m]	17,1
Attenuation at 1000 MHZ [db/100m]	26,2
Attenuation at 2000 MHZ [db/100m]	n.s
Attenuation at 3000 MHZ [db/100m]	n.s
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

Loop resistance [mΩ / m]	< 10
Test voltage AC [kV AC]	2 (1 Std. / 1 h)

Mechanical Properties

Max. tensile strength [N]	1500
Operating temperature range [°C]	-25 / +70
Heat of combustion [kWh/m]	1,18
UV-resistance	Very good
Min. bending radius (dynamic) [mm]	70
Min. bending radius (static) [mm]	67
Direct burial	Ja

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.