

RG 179

Product-Nr.: 1091

DOP.: n.s.



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

0,01476 kg/m

Construction

Photo	Colours and design may differ from the picture
Inner conductor dimensions [mm]	0,3 (7 x 0,10)
Inner Conductor material	Copper clad steel silver-plated
Insulation dimensions [mm]	1,60
Insulation material	FEP
1. Outer Conductor material	Cu braid silver-plated
Jacket dimensions [mm]	2,54
Jacket material	FEP brown transp. / white
Construction Number	891046

Electrical Properties

Characteristic impedance [Ω]	75 $\pm$ 3
Attenuation at 1 MHz [db/100m]	6,4
Attenuation at 10 MHz [db/100m]	11,5
Attenuation at 20 MHz [db/100m]	13,2
Attenuation at 50 MHz [db/100m]	16,9
Attenuation at 100 MHz [db/100m]	23,7
Attenuation at 200 MHz [db/100m]	34,9
Attenuation at 500 MHz [db/100m]	56,4
Attenuation at 1000 MHz [db/100m]	85,2
Attenuation at 2000 MHz [db/100m]	133,5
Attenuation at 3000 MHz [db/100m]	163,0
Velocity ratio [v/c]	0,7
DC resistance inner conductor [Ω /km]	784
DC resistance outer conductor [Ω /km]	56
Capacitance approx. [pF/m]	63
Return loss 5-50 MHz [db]	>24
Return loss 50-470 MHz [db]	>21
Return loss >470-1000 MHz [db]	>18

Mechanical Properties

Operating temperature range [$^{\circ}$ C]	-55 / +200
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Installation temperature range [°C]	-5 / +55
Storage temperature range [°C]	-55 / +200
Heat of combustion [kWh/m]	0,01
Max. tensile strength [N]	55
Min. bending radius (dynamic) [mm]	30
Min. bending radius (static) [mm]	15
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.