

RG 59-FRNC

Product-Nr.: 1105

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

0,05391 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 ± 0.1
Insulation material	PE
1. Outer Conductor dimensions [mm]	4,30
1. Outer Conductor material	Cu braid
1. Outer Conductor opt. coverage [%]	93%
Jacket dimensions [mm]	6,15
Jacket material	FRNC schwarz
Construction Number	940050

Electrical Properties

Characteristic impedance [Ω]	75 ± 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 [Ω /km]	168
DC resistance outer conductor [Ω /km]	8
Capacitance approx. [pF/m]	67

Mechanical Properties

Operating temperature range [°C]	-20 / +70
Heat of combustion [kWh/m]	0,21

Max. tensile strength [N]	166
Min. bending radius (dynamic) [mm]	60
Min. bending radius (static) [mm]	30
UV-resistance	Limited

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.