

# RG 214/U Eca

## RG-CABLE 50 Ohm

Utilization: e.g. for instance in radio engineering or as coaxial audio cable; can be used in all instances where the signal must be protected against strong stray interference radiation and for longer distances.

- double shielded
- high coverage of braid; inner conductor and braid wires copper silvered
- best properties of conduction
- very good attenuation
- manufactured according M 17/75 RG 214 MIL-C-17 F
- fulfilled RoHS (EN 2002/95 EG) and REACH



<b>Building:</b>	
Inner Conductor	7 x 0,75 mm copper silvered
Insulation	7,25 mm PE. +/- 0,1
Outer Conductor	
a)	Copper braid approx.. 96 % opt. covering
b)	Copper braid approx.. 98 % opt. covering
c)	
d)	
Mantel	10,8 mm PVC black +/- 0,2
<b>Electrical properties:</b>	
Impedance	50 Ohm +/- 3
Capacity (pF/m)	100
Velocity (v/c)	0,66
<b>Attenuation at 20°C (dB 100m)</b>	
5 MHz - 1,3	1000 MHz - 24,3
10 MHz - 1,9	1350 MHz - 29,7
50 MHz - 4,5	1500 MHz - 31,7
100 MHz - 6,7	1750 MHz - 35,2
200 MHz - 9,9	2150 MHz - 40,5
400 MHz - 14,6	2250 MHz - 41,5
500 MHz - 16,1	2500 MHz - 44,7
800 MHz - 21,3	2750 MHz - 47,9
	3000 MHz - 51,3
Shield dampening (dB)	100- 900 MHz >78 dB
Direct current resistance (Ohm/km)	Inner Conductor: 6,0 Outer Conductor: 4,2
<b>Mechanical properties:</b>	
Minimal bending radius	Once: 5xOuter-Ø, several times: 10xouter-Ø
Weight kg/km	+/- 205
Copper weight kg/km	+/- 118
Range of temperature C°	-20 till + 70
Fire protection class	„Eca“ according CPR EN 50575:2014

Errors or retroactive changes of the design are not excluded.