


**DESCRIPTION TECHNICAL DATA**

RG cables are realized in accord to MIL-C-17 standards. This line of product is characterized from internal conductors that can be realized in bare copper or stranded red copper, tinned copper or copper well wires. Dielectric is made from compact polyethylene; red or tinned copper wires braid screen have a coverage upper to 85%. Sheath is in PVC. The main employments of these cables are telecommunications and computer nets with stiffness characteristic equal to 50 Ohm, and distribution video system with stiffness characteristic equal to 75 Ohm.

**Conductor:** copper/tin copper/steel wire  
**Dielectric:** Compact polyethylene  
**Screen:** Red copper wires braid (>95%)  
**Sheath:** Black PVC  
**Working temperature:** -10°C ; +70 °C  
**Min installation temperature:** 0°C  
**Bending radius:** 12 x external diameter(mobile)  
 6 x external diameter (fixed)  
**Standard :** MIL C-17  
**Marcatura:** UNICAVI [cable\_name] [num.] (meter)

NAME		<b>RG 58 C/U</b>	<b>RG 59 B/U</b>	<b>RG 11 A/U</b>	<b>RG 174</b>
CODE		6K0082801	6K0083001	6K0060401	6K0063101
Conductor	mm	Cu-Sn 19x0.18 mm	Fe-Cu 0.58 mm	Cu 7x0.40 mm	Cu 7x0.16 mm
Dielectric	mm	PE Ø 2.95	PE Ø 3.70	PE Ø 7.20	PE Ø 1.52
Screen	<i>braid - cov.</i>	Cu-Sn kf=97%	Cu-Sn kf=95%	Cu kf=95%	Cu Sn kf=85.6%
Sheath	mm	PVC Ø 5.0	PVC Ø 6.15	PVC Ø 10.3	PVC Ø 2.81
Weight	kg/km	38.7	55.1	150	24.9
Working temperature	°C	-10 / +60	-10 / +60	-10 / +60	-10 / +60
Impedence	Ohm	50 ± 3	75 ± 3	75 ± 3	50 ± 3
Capacitance	pF/m	98 ± 2	67 ± 2	67± 2	100 ± 2
Velocity ratio	%	66	66	66	65%
Internal conductor resistance	Ohm/km	38	160	21.6	301
Esternal conductor resistance	Ohm/km	15	11	6.5	38
Attenuation	47 MHz dB/100m	10.4	7.9	4.9	18.8
	230 MHz dB/100m	22.3	16.1	11.2	43.5
	400 MHz dB/100m	33.8	23	15.7	57.8
	800 MHz dB/100m	51	30.8	19.9	85.6
	860 MHz dB/100m	52.2	32.1	20.5	88.5
	1000 MHz dB/100m	57.8	39	25.5	95.1
Reflection loss	5-470 MHz dB	>25	>27	>27	>16
SRL	470-860 MHz dB	>24	>24	>24	> 15
	860-2400 MHz dB	>23	>22	>22	> 15
Shielding efficiency	50-1000 MHz dB	>55	>55	>55	> 55
	1000-2000 MHz dB	>55	>55	>55	> 55

NOTE: External diameter can change in a range of +/- 3%.