

## Description

RG coaxial cable as per MIL-C-17 - 75 Ohm

Coaxial Cables

**CAVEL®**

since 1968

## Data Sheet

**RG59B/U**

Ø	0,58	3,70	4,30	6,15
	(FeCu)	(PE)	(Cu)	(PVCII)

**Construction data**

Inner conductor of copper clad steel	(FeCu)	0,58 ± 0,02 mm
Dielectric of solid polyethylene	(PE)	3,70 ± 0,10 mm
Braid of annealed copper wires	(Cu)	
Braid optical coverage (IEC 96-1)		94 %
Diameter under Sheath		4,30 mm
Outer sheath of non-migrating Polyvinylchloride - black - non-migrating as per MIL-C-17	(PVCII)	6,15 ± 0,10 mm

Printed each meter by yellow ink-jet :

**CAVEL - RG 59B/U - MADE IN ITALY - 75 Ohm MIL-C-17 ss/aa****Electrical data**

Characteristic impedance	200 MHz	75 ± 3	Ohm
Capacitance (@1kHz)		66 ± 2	pF/m
Velocity Factor		66 %	
Inner conductor resistance		158	Ohm/km
Outer conductor resistance		11	Ohm/km
Loop resistance		169	Ohm/km
Insulation voltage of the sheath (spark test)		3	kV

## Structural return loss (SRL)

30 - 300 MHz	>28 dB
300 - 600 MHz	>25 dB
600 - 1000 MHz	>23 dB

## Max. power

100 MHz	300,00
400 MHz	135,00
1000 MHz	75,00

## Screening Attenuation (SA)

30 - 1000 MHz	>55 dB
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## Transfer impedance

5 - 30 MHz	15 mOhm/m
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## Attenuation (at 20°C )

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
50	7,70	470	25,40
200	16,00	862	35,30
300	19,90	1000	38,70

**ITALIANA CONDUTTORI s.r.l.**

Viale Zanotti 90 I - 27027 Gropello Cairoli  
Tel +39-382.815150 Fax +39-0382.814212

## Date

11/04/2014

## Responsible

PierPaolo Piccinini

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**RG59B/U**

**Mechanical data**

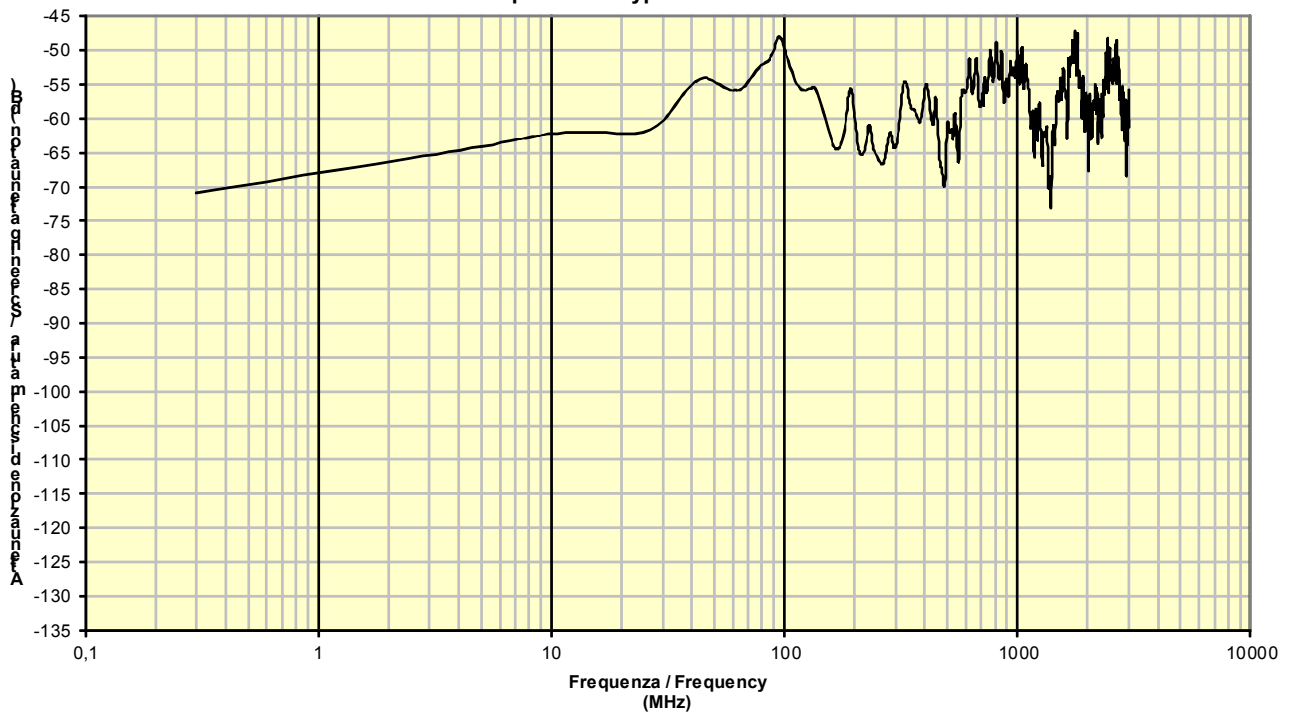
Weight of copper conductors	19,70	kg/km	
Total weight of cable	51,38	kg/km	
Minimum bending radius (single/repeated bending)	30/60	mm	
Maximum cable pulling strength	200	N	
Fire Load	849	MJ/km	236 kWh/km

**Standards**

MIL-C-17

**Attenuazione di schermatura / Screening Attenuation**

Cavo tipo / Cable type : **RG 59 B/U**



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