

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)

Standards

MIL-C-17

Construction data

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

Printed each meter by yellow ink-jet :

CAVEL - RG 59B/U - MADE IN ITALY - 75 Ohm MIL-C-17 gggaan

(gggaan=batch)

Physical 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
Installation temperature	- 5	°C
Operating temperature	-40 / +80	°C

Electrical data

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

Structural return loss (SRL)		Max. power		
30 - 300 MHz	>28 dB	100 MHz	300 W	400 MHz 135 W
300 - 600 MHz	>25 dB	1000 MHz	75 W	
600 - 1000 MHz	>23 dB			

Screening Attenuation (SA)	
30 - 1000 MHz	>45 dB

ITALIANA CONDUTTORI s.r.l.

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

Date

29/02/2016

Responsible

PierPaolo Piccinini

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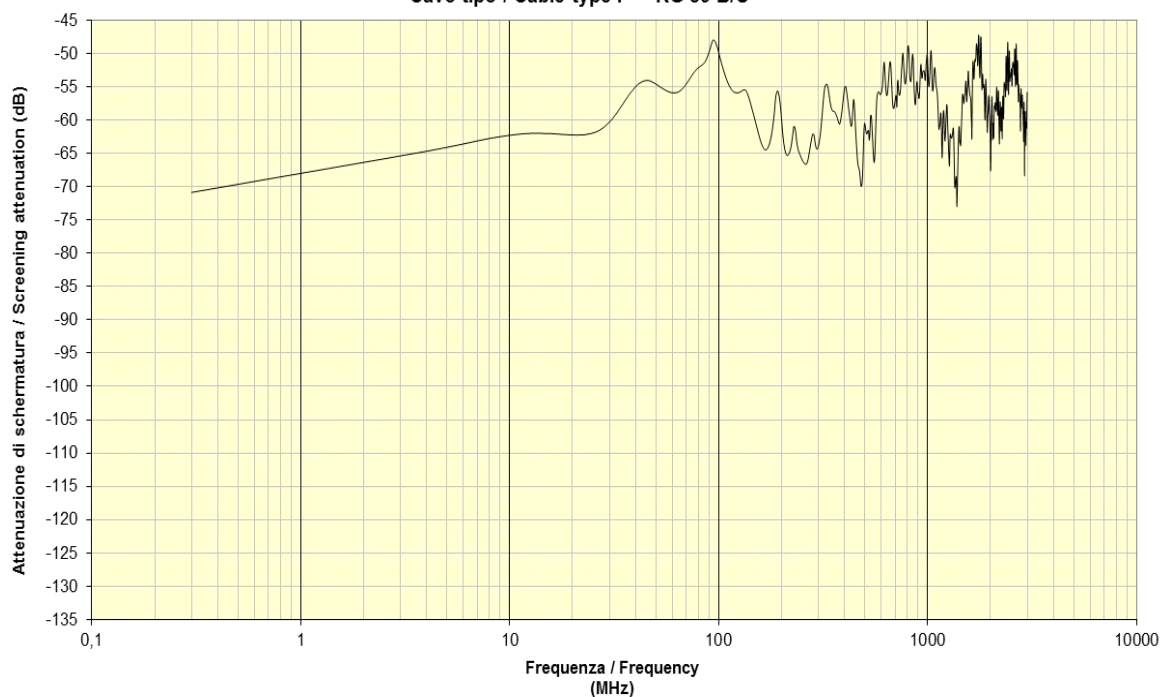
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Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
50	7,70	470	25,40
200	16,00	800	34,00
300	19,90	1000	38,70

Attenuazione di schermatura / Screening AttenuationCavo tipo / Cable type : **RG 59 B/U****ITALIANA CONDUTTORI s.r.l.**

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