

## Description

RG coaxial cable as per MIL-C-17 - 50 Ohm

Coaxial Cables

**CAVEL**<sup>®</sup>

since 1968

## Data Sheet

**RG58C/U**

19x0,18



Ø	0,90	2,95	3,43	5,00
	(CUSn)	(PE)	(CuSn)	(PVCII)

**Standards**

MIL-C-17

**Construction data**

Inner conductor of stranded tinned copper wires	(CUSn)	19x0,18	Ø 0,90 ± 0,01	mm
Dielectric of solid polyethylene	(PE)		Ø 2,95 ± 0,10	mm
Braid of tinned copper wires	(CuSn)			
Braid optical coverage (IEC 96-1)			93	%
Diameter over Braid			Ø 3,43	mm
Outer sheath of non-migrating Polyvinylchloride - black - non-migrating as per MIL-C-17	(PVCII)		Ø 5,00 ± 0,10	mm

Printed each meter by yellow ink-jet :

**CAVEL - RG 58C/U - MADE IN ITALY - 50 Ohm MIL-C-17 ss/aa**

(ss=week, aa=year)

**Physical data**

Weight of copper conductors	16,60	kg/km
Total weight of cable	35,88	kg/km
Minimum bending radius (single/repeated bending)	25/50	mm
Maximum cable pulling strength	90	N
Installation temperature	- 5	°C
Operating temperature	-40 / +80	°C

**Electrical data**

Characteristic impedance	50 ± 2	Ohm
Capacitance (@1kHz)	100 ± 2	pF/m
Velocity Ratio	66 %	
Inner conductor resistance	38,50	Ohm/km
Outer conductor resistance	16,50	Ohm/km
Loop resistance	55	Ohm/km
Sheat Insulation voltage (spark test)	5	kV
Structural return loss (SRL)	Max. power	
30 - 300 MHz	>26 dB	100 MHz    200 W    400 MHz    60 W
300 - 600 MHz	>25 dB	1000 MHz    35 W
600 - 1000 MHz	>24 dB	
Screening Attenuation (SA)		
30 - 1000 MHz	>50 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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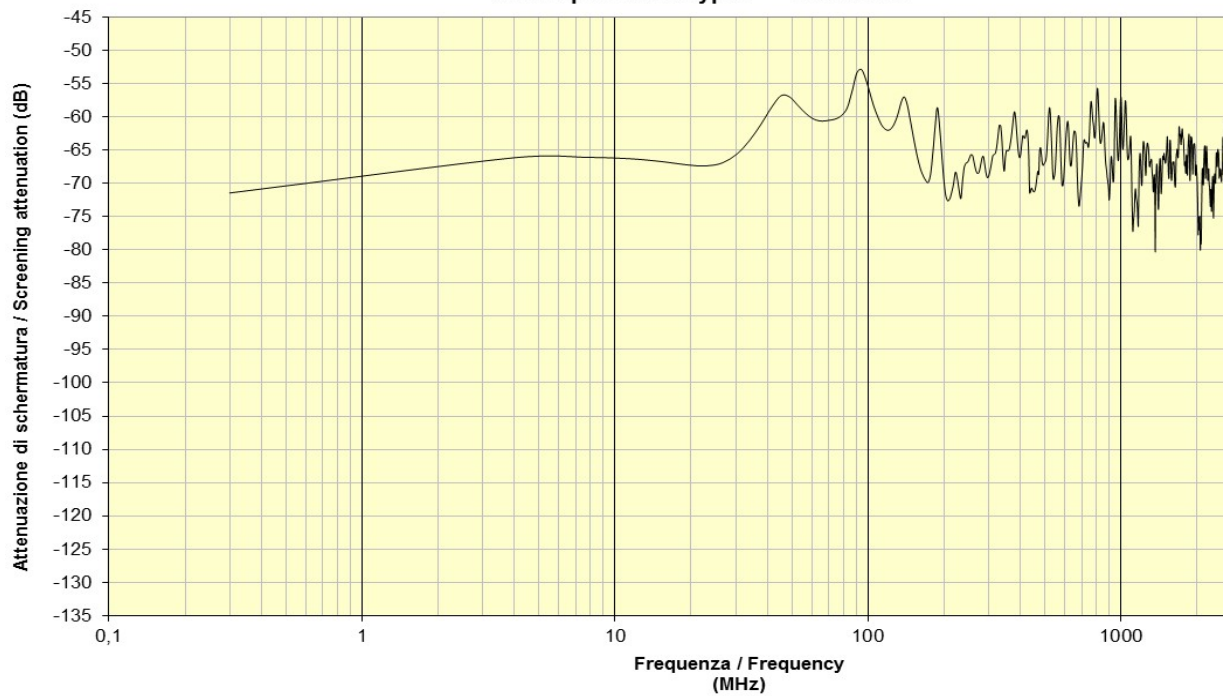
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## Attenuation (at 20°C )

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
50	10,70	470	38,70
200	23,50	800	53,38
300	29,60	1000	61,10

**Attenuazione di schermatura / Screening Attenuation**Cavo tipo / Cable type : **RG 58 C/U****ITALIANA CONDUTTORI s.r.l.**

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