

Description

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



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 gggaan

(gggaan=batch)

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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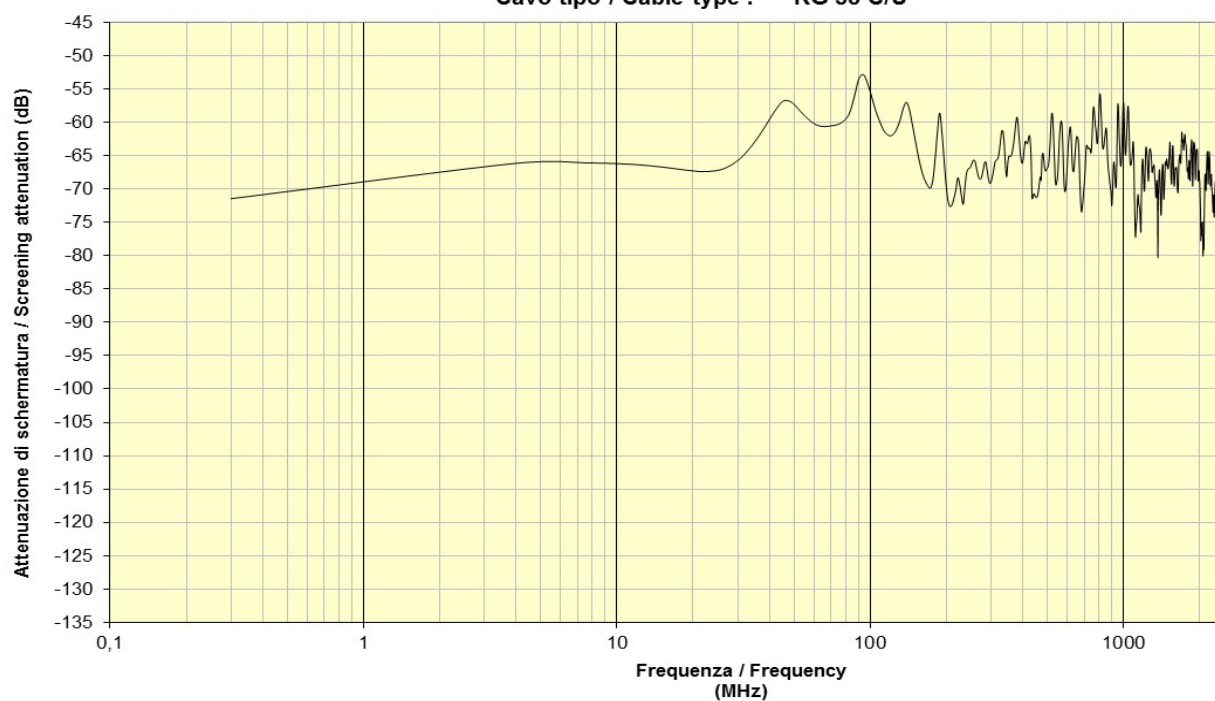


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Attenuation (at 20°C)

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 AttenuationCavo tipo / Cable type : **RG 58 C/U****ITALIANA CONDUTTORI s.r.l.**

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