

Description

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

Coaxial Cables

CAVEL®

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 under Sheath			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
Fire Load	536 MJ/km	149	kWh/km

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	200,00 W
300 - 600 MHz	>25 dB	400 MHz	60,00 W
600 - 1000 MHz	>24 dB	1000 MHz	35,00 W
Screening Attenuation (SA)		Shield Transfer Impedance (Zt)	
30 - 1000 MHz	>55 dB	5 - 30 MHz	8 mOhm/m

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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Data Sheet

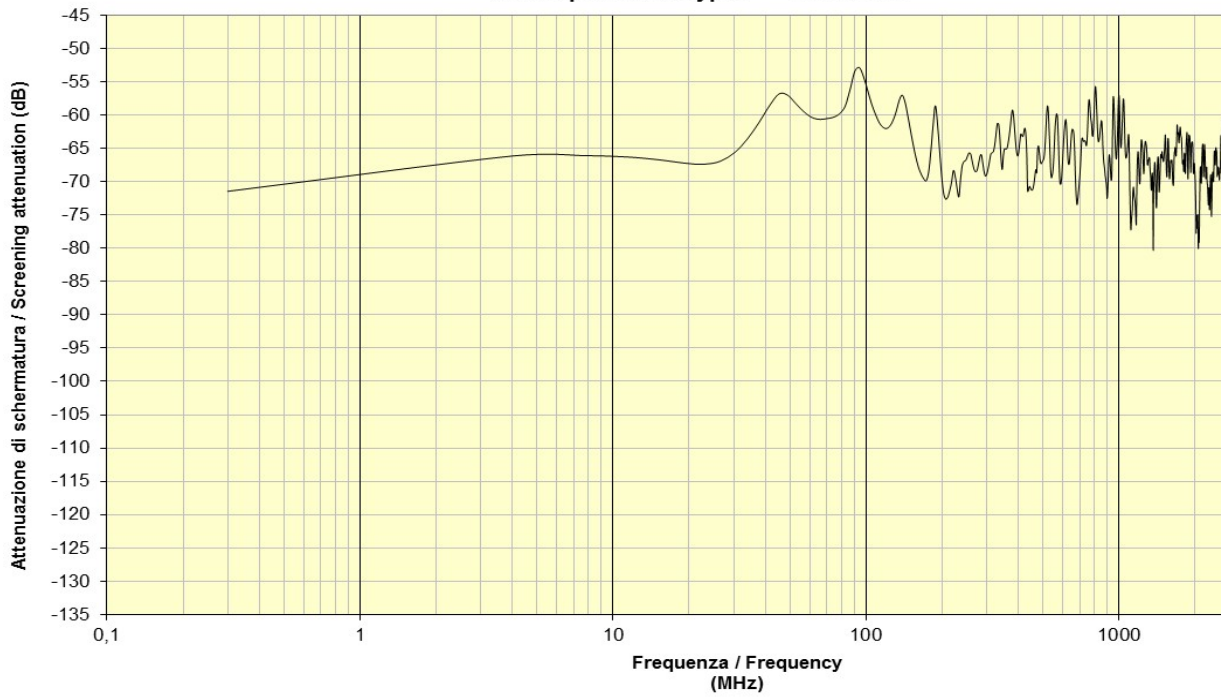
RG58C/U

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**



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