

## Description

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

Coaxial Cables

CAVEL®

since 1968

## Data Sheet

RG58C/U

19x0,18

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

## Constructive data

Inner conductor of stranded tinned copper wires	(CUSn)	19x0,18	0,90 ± 0,01	mm
Dielectric of solid polyethylene	(PE)		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 (QA1)	(PVCII)		5,00 ± 0,10	mm

Printed each meter by yellow ink-jet :

CAVEL - RG 58 C/U MIL-C-17 - 50 Ohm

## Electrical data

Characteristic impedance (@ 200 MHz)		50 ± 2	Ohm
Capacitance (@1kHz)		100 ± 2	pF/m
Velocity factor		66 %	
Outer conductor resistance		16,50	Ohm/km
Loop resistance		55	Ohm/km
Insulation voltage of the sheath (spark test)		5	kV

Structural return loss (SRL)		Max. power	
30 - 300 MHz	>26 dB	100 MHz	200,00
300 - 600 MHz	>25 dB	400 MHz	60,00
600 - 1000 MHz	>24 dB	1000 MHz	35,00
Screening attenuation (SA)		Transfer impedance	
30 - 1000 MHz	>55 dB	5 - 30 MHz	8 mOhm/m

## Attenuation (at 20°C):

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
50	10,70	470	38,70
200	23,50	862	55,40
300	29,60	1000	61,10

ITALIANA CONDUTTORI s.r.l.

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

Date

06/07/2007

Responsible

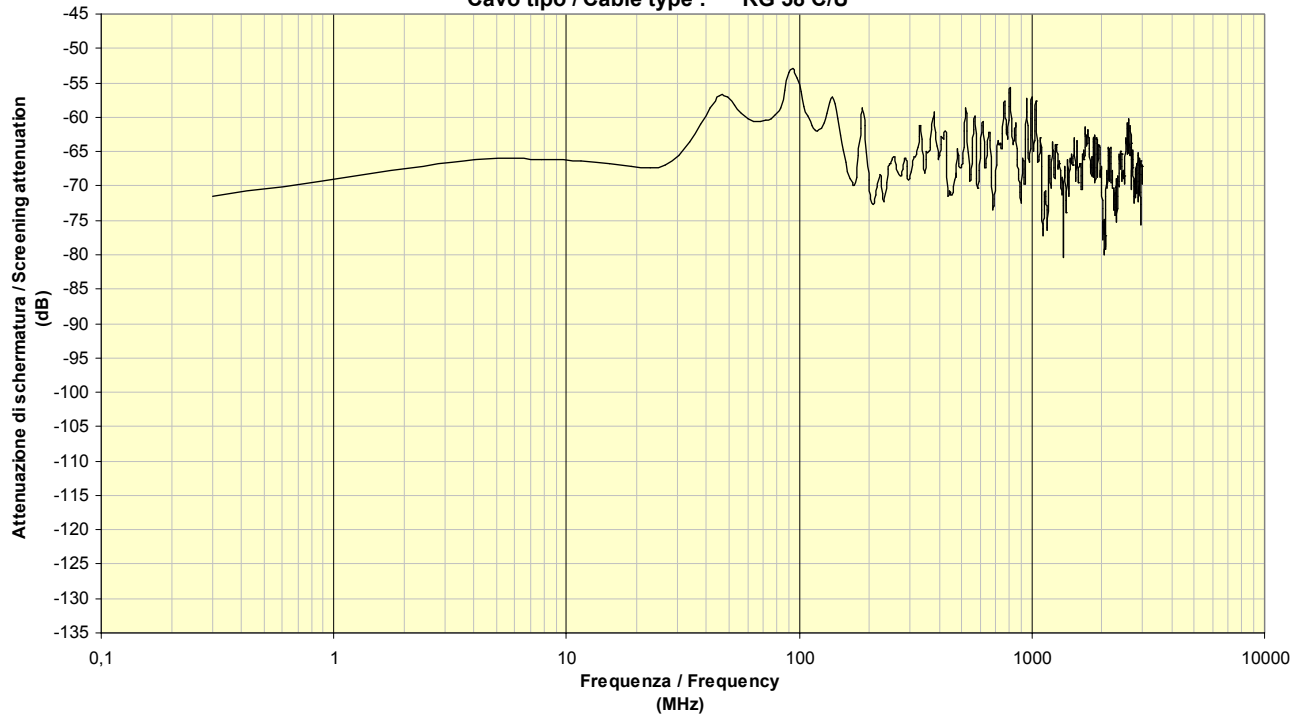
PierPaolo Piccinini

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**Data Sheet****RG58C/U****Mechanical data**

Weight of copper conductors	16,60	kg/km
Total weight of cable	35,90	kg/km
Minimum bending radius (single/repeated bending)	25/50	mm
Max. cable pulling strength	90	N

**Attenuazione di schermatura / Screening Attenuation**Cavo tipo / Cable type : **RG 58 C/U****ITALIANA CONDUTTORI s.r.l.**Viale Zanotti 90 I - 27027 Gropello Cairoli  
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