

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)

Construction 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	(PVCII)		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)

Electrical data

Characteristic impedance	200 MHz	50 ± 2	Ohm
Capacitance (@1kHz)		100 ± 2	pF/m
Velocity Factor		66 %	
Inner conductor resistance		38,50	Ohm/km
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)

30 - 300 MHz	>26 dB
300 - 600 MHz	>25 dB
600 - 1000 MHz	>24 dB

Max. power

100 MHz	200,00
400 MHz	60,00
1000 MHz	35,00

Screening Attenuation (SA)

30 - 1000 MHz	>55 dB
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Transfer impedance

5 - 30 MHz	8 mOhm/m
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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	862	55,40
300	29,60	1000	61,10

ITALIANA CONDUTTORI s.r.l.

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Date

11/04/2014

Responsible

PierPaolo Piccinini

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Mechanical data

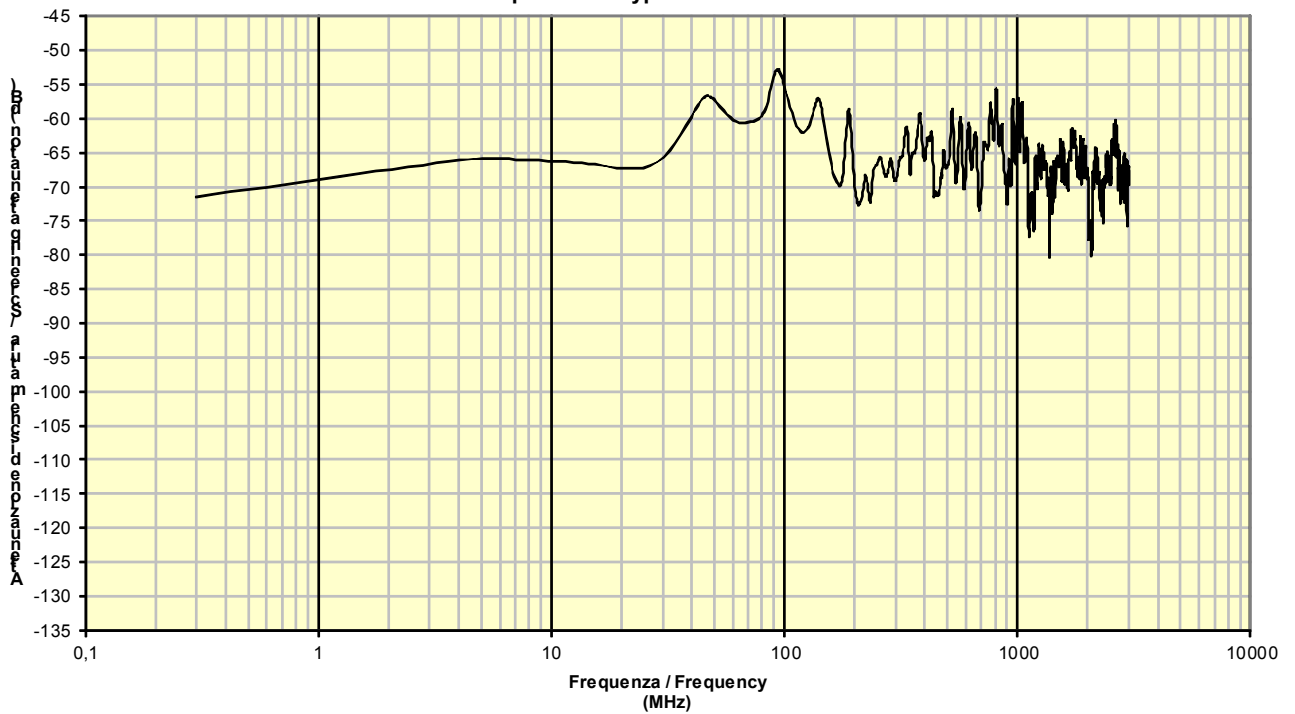
Weight of copper conductors	16,60	kg/km	
Total weight of cable	35,88	kg/km	
Minimum bending radius (single/repeated bending)	25/50	mm	
Maximum cable pulling strength	90	N	
Fire Load	536	MJ/km	149 kWh/km

Standards

MIL-C-17

Attenuazione di schermatura/ Screening Attenuation

Cavo tipo / Cable type : RG 58 C/U



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