Description

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

Coaxial Cables CAVEL since 1968

Data Sheet

RG213/U

Ø	2,25	7,25	7,97	10,30
	(Cu)	(PE)	(Cu)	(PVCII)

Standards

MIL-C-17

Construction data

Inner conductor of stranded bare copper wires	(Cu)	7x0,75	Ø 2,25 ± 0,05	mm
Dielectric of solid polyethylene	(PE)		Ø 7,25 ± 0,15	mm
Braid of annealed copper wires	(Cu)			
Braid optical coverage (IEC 96-1)			96	%
Diameter under Sheath			7,97	mm
Outer sheath of non-migrating Polyvinylchloride - black - non-migrating as per MIL-C-17	(PVCII)		Ø 10,30 ± 0,15	mm

Printed each meter by yellow ink-jet :

CAVEL - RG 213/U - MADE IN ITALY - 50 Ohm MIL-C-17 ss/aa

Physical data

Weight of copper conductors			73,85	kg/km
Total weight of cable			151,34	kg/km
Minimum bending radius (single/repetead bending)			50/100	mm
Maximum cable pulling strength			400	N
Fire Load	2.457	MJ/km	683	kWh/km

Electrical data

Characteristic impedance	50 ± 2		Ohm
Capacitance (@1kHz)	100 ± 2		pF/m
Velocity Ratio	66 %		
Inner conductor resistance	5,50		Ohm/km
Outer conductor resistance	4,50		Ohm/km
Loop resistance	10		Ohm/km
Sheat Insulation voltage (spark test)	5		kV

Structural return loss (SRL)		Max. power		
30 - 300 MHz	>27 dB	100 MHz	830,00	W
300 - 600 MHz	>26 dB	400 MHz	320,00	W
600 - 1000 MHz	>24 dB	1000 MHz	180,00	W

Screening Attenuation (SA)		Shield Transfer Impedance (Zt)	Class B
30 - 1000 MHz	>55 dB	5 - 30 MHz	8 mΩ/m

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Date 11/04/2014

Responsible PierPaolo Piccinini

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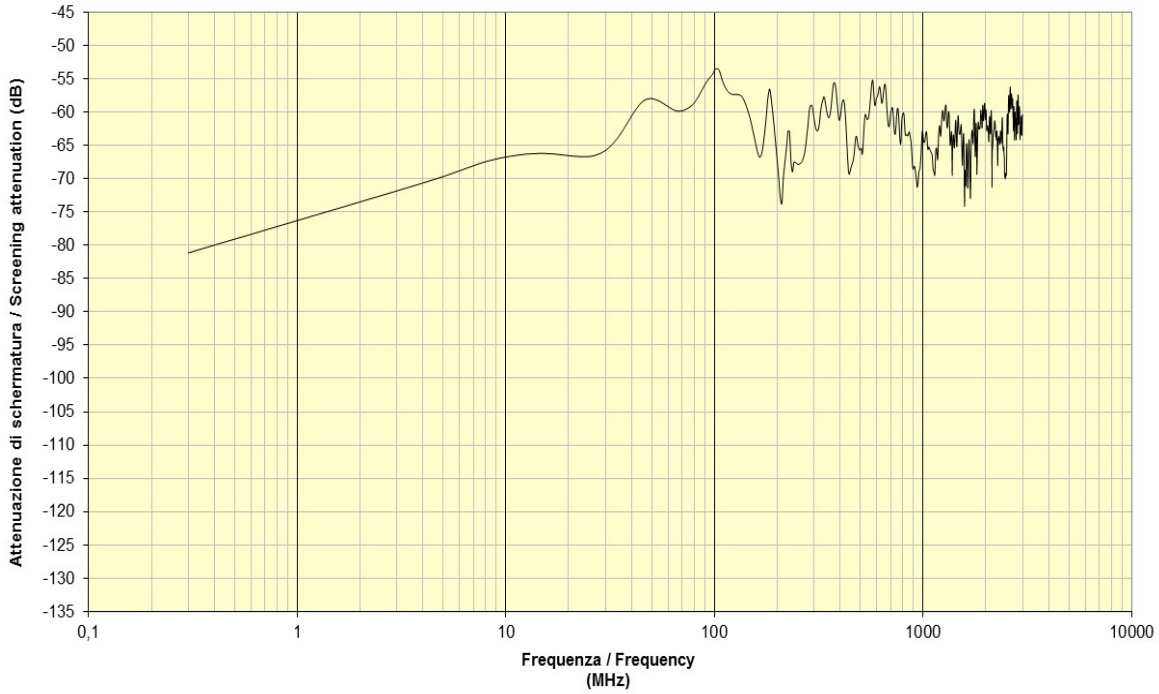
Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
50	4,10	470	14,80
200	9,00	800	20,43
300	11,30	1000	23,60

Attenuazione di schermatura / Screening Attenuation

Cavo tipo / Cable type : RG 213 / U



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