

Description

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

Coaxial Cables

CAVEL

since 1968

Data Sheet

RG213/U

7x0,75

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

Construction data

Inner conductor of stranded bare copper wires	(Cu)	7x0,75	2,25 ± 0,05 mm
Dielectric of solid polyethylene	(PE)		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)		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**Electrical data**

Characteristic impedance	200 MHz	50 ± 2	Ohm
Capacitance (@1kHz)		100 ± 2	pF/m
Velocity Factor		66 %	
Inner conductor resistance		6,50	Ohm/km
Outer conductor resistance		4,50	Ohm/km
Loop resistance		11	Ohm/km
Insulation voltage of the sheath (spark test)		5	kV

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

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	4,10	470	14,80
200	9,00	862	21,20
300	11,30	1000	23,60

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Tel +39-382.815150 Fax +39-0382.814212

Date

11/04/2014

Responsible

PierPaolo Piccinini

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**Data Sheet****RG213/U****Mechanical data**

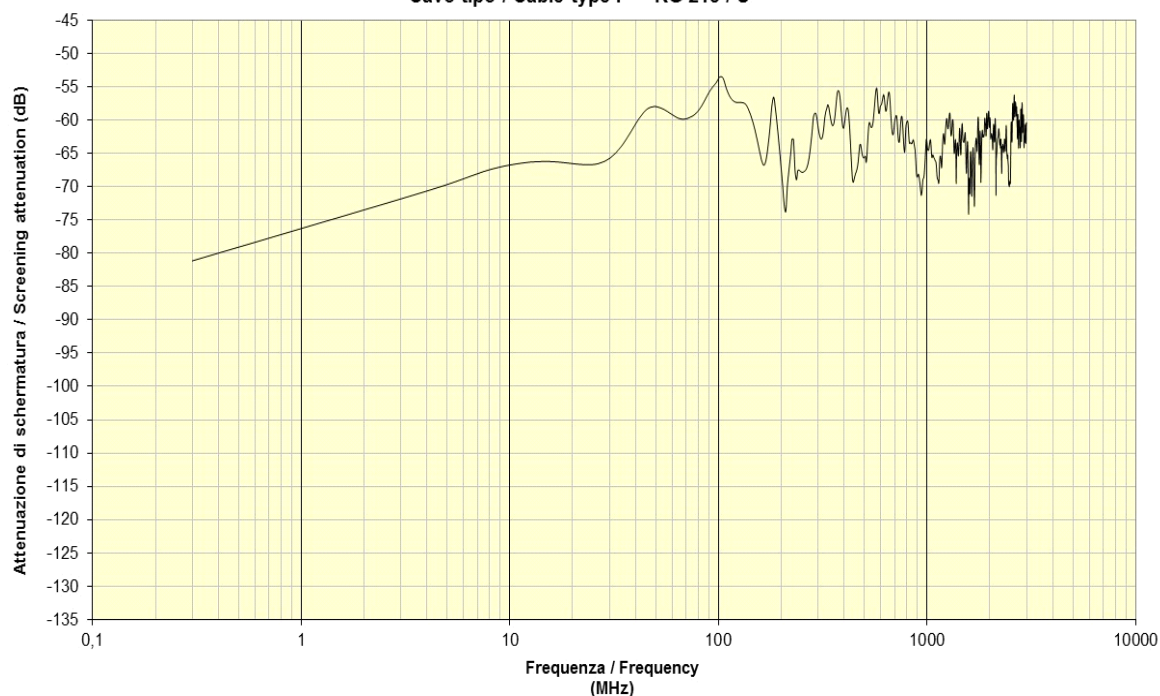
Weight of copper conductors	73,85	kg/km		
Total weight of cable	151,34	kg/km		
Minimum bending radius (single/repeated bending)	50/100	mm		
Maximum cable pulling strength	400	N		
Fire Load	2.457	MJ/km	683	kWh/km

Standards

MIL-C-17

Attenuazione di schermatura / Screening Attenuation

Cavo tipo / Cable type : RG 213 / U

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