

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)

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 over Braid			Ø 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 gggaan - m

(gggaan=batch number m=meter marking)

Physical data

Weight of copper conductors	75,21	kg/km
Total weight of cable	150,13	kg/km
Minimum bending radius (single/repeated bending)	50/100	mm
Maximum cable pulling strength	400	N
Installation temperature	- 5	°C
Operating temperature	-40 / +80	°C

Electrical data

Characteristic impedance	50 ± 2	Ohm	
Capacitance (@1kHz)	101 ± 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 W
300 - 600 MHz	>26 dB	1000 MHz	180 W
600 - 1000 MHz	>24 dB	400 MHz	320 W
Screening Attenuation (SA)			
30 - 1000 MHz	>55 dB		

ITALIANA CONDUTTORI s.r.l.

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Tel +39-382.815150 Fax +39-0382.814212

Date

05/11/2019

Responsible

Alberto Scardovi

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Data Sheet

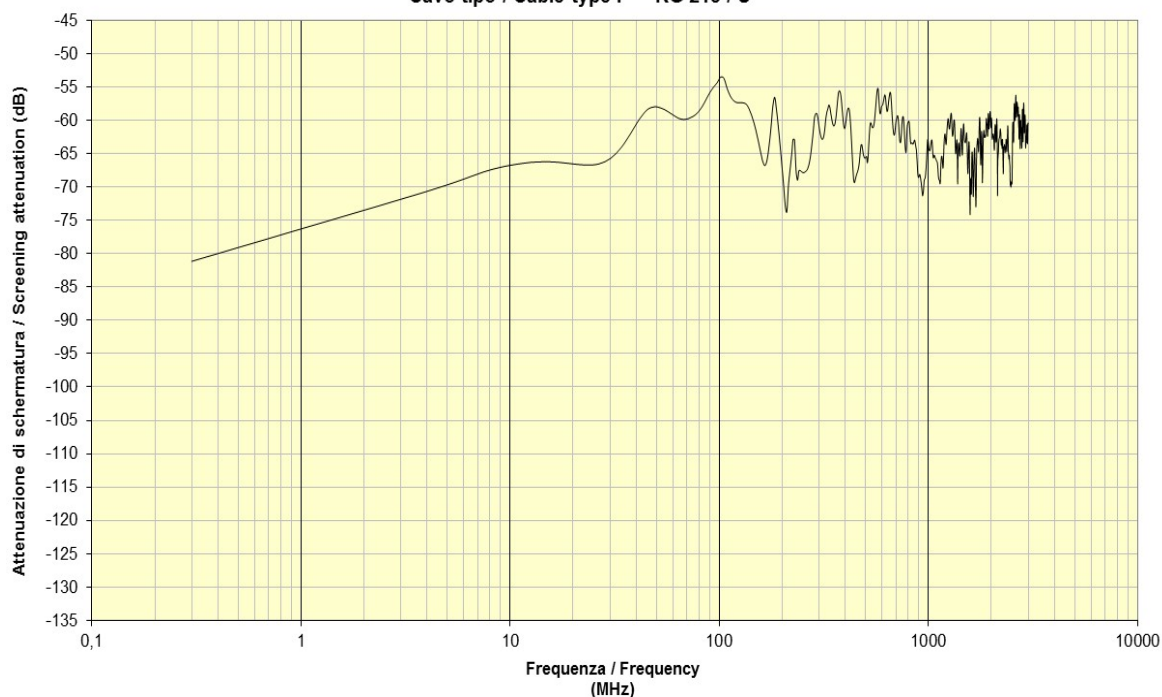
RG213/U

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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