

Description

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

Class A

Coaxial Cables

CAVEL®

since 1968

Data Sheet

RG214/U

7 x 0,75



Ø	2,25	7,25	7,89	8,53	10,80
	(CuAg)	(PE)	(CuAg)	(CuAg)	(PVCII)

Standards

MIL-C-17

Construction data

Inner conductor of silver coated copper wire (12 ‰)	(CuAg)	7 x 0,75	Ø 2,25 ± 0,05	mm
Dielectric of solid polyethylene	(PE)		Ø 7,25 ± 0,15	mm
Braid of silver coated copper wires (5 ‰)	(CuAg)			
Braid optical coverage (IEC 96-1)			95	%
Braid optical coverage (IEC 96-1) - External			97	%
Diameter over Braid			Ø 8,53	mm
Outer sheath of non-migrating Polyvinylchloride - black - non migrating	(PVCII)		Ø 10,80 ± 0,15	mm

Printed by yellow ink-jet :

CAVEL - RG214/U MADE IN ITALY - 50 Ohm MIL-C-17 ss/aa

(ss=week, aa=year)

Physical data

Weight of copper conductors	116,28	kg/km
Total weight of cable	196,36	kg/km
Minimum bending radius (single/repeated bending)	50/100	mm
Maximum cable pulling strength	500	N
Installation temperature	- 5	°C
Operating temperature	-40 / +80	°C

Electrical data

Characteristic impedance	50 ± 2	Ohm	
Capacitance	100 ± 2	pF/m	
Velocity Ratio	66 %		
Inner conductor resistance	5,50	Ohm/km	
Outer conductor resistance	4	Ohm/km	
Loop resistance	9,50	Ohm/km	
Sheath Insulation Voltage	5	kV	
Structural return loss (SRL)	Max. power		
30 - 300 MHz	>23 dB	100 MHz 1.000 W	400 MHz 500 W
300 - 600 MHz	>22 dB	1000 MHz 200 W	
600 - 1000 MHz	>20 dB		
Screening Attenuation (SA)	SA-Class A	Transfer Impedance (Zt)	Zt-Class A++
30 - 1000 MHz	>85 dB	5 - 30 MHz	< 0,9 mΩ/m
1000 - 2000 MHz	>75 dB		

ITALIANA CONDUTTORI s.r.l.

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Tel +39-382.815150 Fax +39-0382.814212

Date

06/10/2020

Responsible

A. Bergaglio

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2000 - 3000 MHz

>75 dB

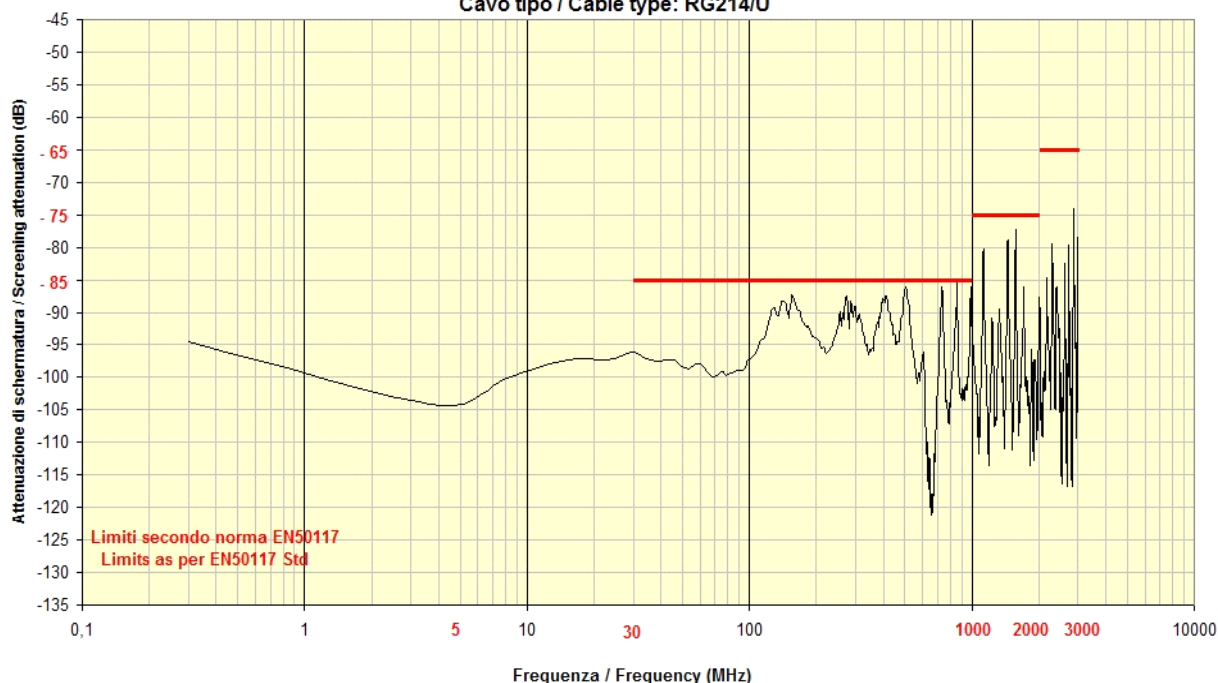
Attenuation (at 20°C)

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 classe A / A Class Cable

Cavo tipo / Cable type: RG214/U



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