

## Description

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

Class A



## 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	121,26	kg/km
Total weight of cable	200,70	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					3,50	Ohm/km
Loop resistance					9	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		Shield Transfer Impedance (Zt)		Zt-Class A++	
30 - 1000 MHz	>85 dB		5 - 30 MHz		< 0,9 mΩ/m	
1000 - 2000 MHz	>75 dB					

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Date

29/02/2016

Responsible

Alberto Scardovi

## Description

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

Class A



Data Sheet

RG214/U

2000 - 3000 MHz

&gt;75 dB

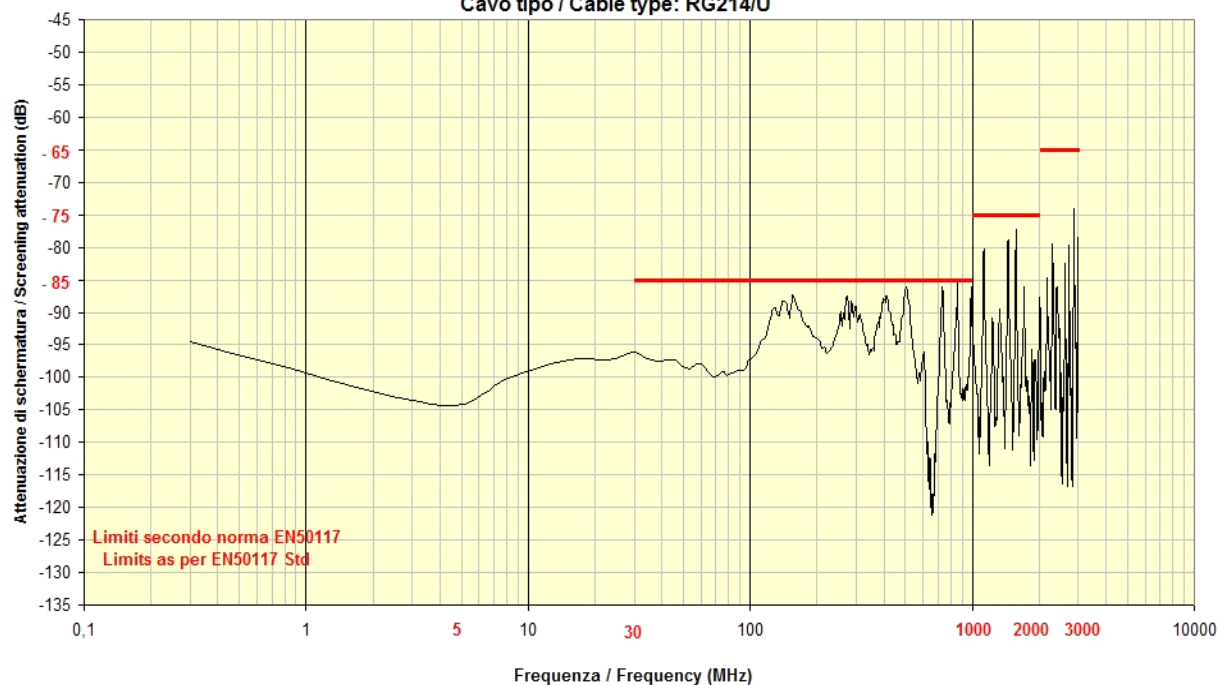
Attenuation (at 20°C )

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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