

Description

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

Coaxial Cables

CAVEL®

since 1968

Data Sheet

RG174A/U

7x0,16

Ø	0,48	1,50	1,90	2,80
	(FeCu)	(PE)	(CuSn)	(PVCII)

Standards

MIL-C-17

Construction data

Inner conductor of stranded copper clad steel wires	(FeCu)	7x0,16	Ø 0,48 ± 0,015	mm
Dielectric of solid polyethylene	(PE)		Ø 1,50 ± 0,08	mm
Braid of tinned copper wires	(CuSn)			
Braid optical coverage (IEC 96-1)			87	%
Diameter over Braid			Ø 1,90	mm
Outer sheath of non-migrating Polyvinylchloride - black - non migrating	(PVCII)		Ø 2,80 ± 0,12	mm

Printed each 50 cm by ink-jet :

CAVEL - RG 174A/U - MADE IN ITALY - 50 Ohm MIL-C-17 gggaan

(gggaan=batch)

Physical data

Weight of copper conductors	4,60	kg/km
Total weight of cable	11,80	kg/km
Minimum bending radius (single/repeated bending)	15/30	mm
Maximum cable pulling strength	120	N
Stripping force between inner conductor and dielectric	< 20	N
Minimum 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	290	Ohm/km	
Outer conductor resistance	42	Ohm/km	
Loop resistance	332	Ohm/km	
Sheat Insulation voltage (spark test)	2	kV	
Structural return loss (SRL)	Max. power		
30 - 300 MHz	>21 dB	100 MHz	50 W
300 - 600 MHz	>19 dB	1000 MHz	15 W
600 - 1000 MHz	>18 dB		400 MHz 25 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

29/02/2016

Responsible

PierPaolo Piccinini

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Data Sheet

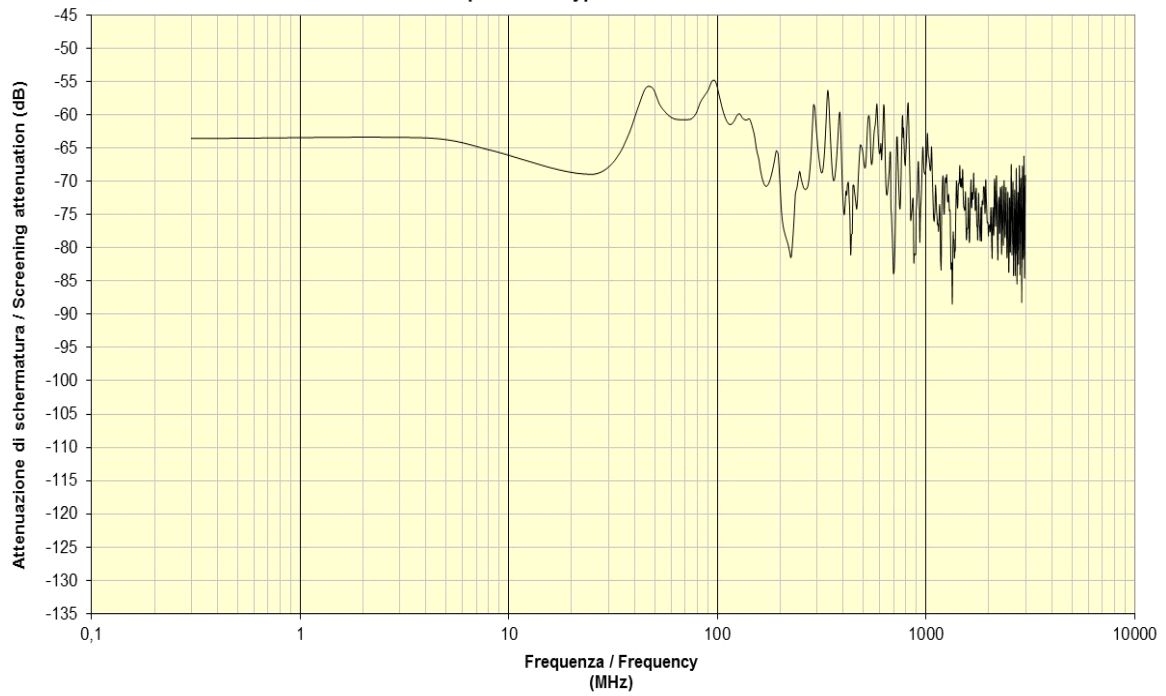
RG174A/U

Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
50	20,00	470	63,00
200	42,50	800	82,95
300	51,00	1000	97,00

Attenuazione di schermatura / Screening Attenuation

Cavo tipo / Cable type : RG 174 A/U



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