

Description

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



Data Sheet

RG174A/UZHN

7x0,16

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

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 Thermoplastic material - black - halogen-free, low smoke, flame retardant and UV-resistant	(LSZH)		Ø 2,80 ± 0,12	mm
Printed each 50 cm by yellow ink-jet :				

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

(gggaan=batch)

Physical data

Weight of copper conductors	4,59	kg/km
Total weight of cable	12,46	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	-25 / +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	400 MHz	25 W
300 - 600 MHz	>19 dB	1000 MHz	15 W		
600 - 1000 MHz	>18 dB				
Screening Attenuation (SA)					
30 - 1000 MHz	>55 dB				

ITALIANA CONDUTTORI s.r.l.

Viale Zanotti 90 I - 27027 Gropello Cairoli
 Tel +39-382.815150 Fax +39-0382.814212

Date

29/02/2016

Responsible

Alberto Scardovi

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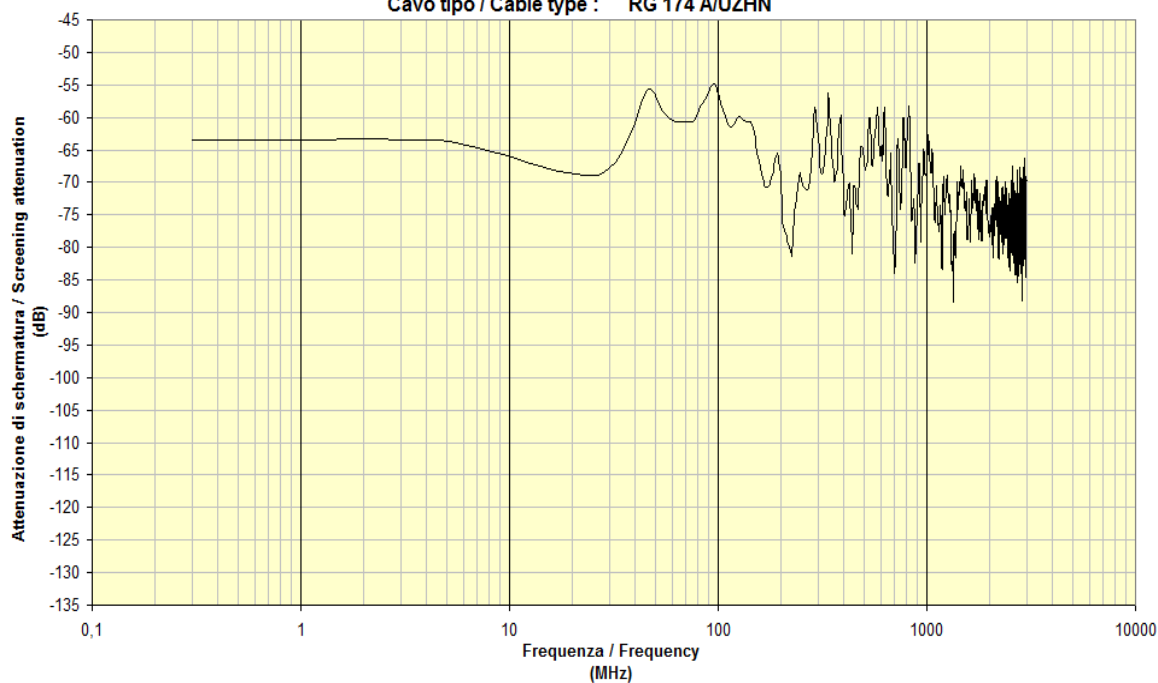


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Attenuation (at 20°C)

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 AttenuationCavo tipo / Cable type : **RG 174 A/UZHN****ITALIANA CONDUTTORI s.r.l.**

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