

Description				Data Sheet	
RG coaxial cable as per MIL-C-17 - 50 Ohm				RG213/U	
PVC Outer Sheath					



Ø	2,25 (Cu)	7,25 (PE)	7,97 (Cu)	10,30 (PVC)
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Standards
MIL-C-17

Application
Indoor Installation

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 Polyvinylchloride - black (RAL 9011)	(PVC)		Ø 10,30 ± 0,15	mm

Printed each meter by yellow ink-jet :

CAVEL RG213/U MADE IN ITALY 50 Ohm MIL-C-17 gggaa(n) 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	-20 / +70	°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	>25 dB	100 MHz	830 W	400 MHz	320 W
300 - 600 MHz	>24 dB	1000 MHz	180 W		
600 - 1000 MHz	>20 dB				

ITALIANA CONDUTTORI s.r.l. Viale Zanotti 90 I - 27027 Gropello Cairoli Tel +39-382.815150 Fax +39-0382.814212	Date	Responsible
	04/08/2023	A. Bergaglio

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Data Sheet

RG213/U**Screening Attenuation (SA)**

30 - 1000 MHz

>55 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	20,40
300	11,30	1000	22,60

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