

Description				Data Sheet	
RG coaxial cable as per MIL-C-17 - 50 Ohm				RG214/U	
PVC Outer Sheath					
					
Ø(mm)	2,25	7,25	7,89	8,53	10,80
	(CuAg)	(PE)	(CuAg)	(CuAg)	(PVC)
Standards					
MIL-C-17					
Application					
Indoor Installation					
Construction data					
Inner conductor of silver coated copper wire (5 ‰)		(CuAg)	7x0,75	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 Polyvinylchloride - black (RAL 9011)		(PVC)		Ø 10,80 ± 0,15	mm
Printed by yellow ink-jet :					
CAVEL - RG214/U MADE IN ITALY - 50 Ohm MIL-C-17 gggaa(n) m					
(ggg=day)(aa=year)(n=batch) (m=meter marking)					
Physical data					
Weight of copper conductors				116,28	kg/km
Total weight of cable				196,36	kg/km
Minimum bending radius (single/repetead bending)				50/100	mm
Maximum cable pulling strength				500	N
Installation temperature				- 5	°C
Operating temperature				-20 / +70	°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
ITALIANA CONDUTTORI s.r.l.		Date		Responsible	
Viale Zanotti 90 I - 27027 Gropello Cairoli		13/02/2023		A. Bergaglio	
Tel +39-382.815150 Fax +39-0382.814212					

Description

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PVC Outer Sheath

**Data Sheet****RG214/U**

300 - 600 MHz >22 dB
 600 - 1000 MHz >20 dB

1000 MHz 200 W

Screening Attenuation (SA)

SA-Class A

Transfer Impedance (Zt)

30 - 1000 MHz >85 dB
 1000 - 2000 MHz >75 dB
 2000 - 3000 MHz >75 dB

5 - 30 MHz

< 0,9 mΩ/m

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

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