

Description			Coaxial Cables CAVEL® since 1968		Data Sheet	
RG coaxial cable as per MIL-C-17 - 50 Ohm					RG174A/U	
PVC Outer Sheath						
7x0,16 						
Ø	0,48 (FeCu)	1,50 (PE)	1,90 (CuSn)	2,90 (PVC)		
Standards						
MIL-C-17						
Application						
Indoor Installation						
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 Polyvinylchloride - black (RAL 9011)			(PVC)		Ø 2,90 ± 0,12	mm
Printed each 50 cm by ink-jet :						
CAVEL RG174A/U MADE IN ITALY 50 Ohm MIL-C-17 gggaa(n) m						
(gggaan=batch number m=meter marking)						
Physical data						
Weight of copper conductors					4,60	kg/km
Total weight of cable					11,80	kg/km
Minimum bending radius (single/repetead bending)					15/30	mm
Maximum cable pulling strength					120	N
Minimum installation temperature					-5	°C
Operating temperature					-20 / +70	°C
Electrical data						
Characteristic impedance					50 ± 2	Ohm
Capacitance (@1kHz)					103 ± 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	>26 dB	100 MHz	50 W	400 MHz	25 W	
300 - 600 MHz	>25 dB	1000 MHz	15 W			
600 - 1000 MHz	>24 dB					
ITALIANA CONDUTTORI s.r.l.			Date		Responsible	
Viale Zanotti 90 I - 27027 Gropello Cairoli			04/08/2023		A. Bergaglio	
Tel +39-382.815150 Fax +39-0382.814212						

Description

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

PVC Outer Sheath



Data Sheet

RG174A/U**Screening Attenuation (SA)**

30 - 1000 MHz

>55 dB

Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
50	19,10	470	62,30
200	39,70	800	82,50
300	49,20	1000	93,40

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