

Description					Data Sheet	
RG coaxial cable as per MIL-C-17 - 50 Ohm					RG58C/U	
PVC Outer Sheath						
						
Ø	0,90 (CuSn)	2,95 (PE)	3,43 (CuSn)	5,00 (PVC)		
Standards						
MIL-C-17						
Application						
Indoor Installation						
Construction data						
Inner conductor of stranded tinned copper wires			(CuSn)	19x0,18	Ø 0,90 ± 0,01	mm
Dielectric of solid polyethylene			(PE)		Ø 2,95 ± 0,10	mm
Braid of tinned copper wires			(CuSn)			
Braid optical coverage (IEC 96-1)					93	%
Diameter over Braid					Ø 3,43	mm
Outer sheath of Polyvinylchloride - black (RAL 9011)			(PVC)		Ø 5,00 ± 0,10	mm
Printed each meter by yellow ink-jet :						
CAVEL RG 58C/U MADE IN ITALY 50 Ohm MIL-C-17 gggaa(n) m						
(gggaan=batch number m=meter marking)						
Physical data						
Weight of copper conductors					16,80	kg/km
Total weight of cable					36,08	kg/km
Minimum bending radius (single/repetead bending)					25/50	mm
Maximum cable pulling strength					90	N
Installation temperature					- 5	°C
Operating temperature					-20 / +70	°C
Electrical data						
Characteristic impedance					50 ± 2	Ohm
Capacitance (@1kHz)					100 ± 2	pF/m
Velocity Ratio					66 %	
Inner conductor resistance					38,50	Ohm/km
Outer conductor resistance					16,50	Ohm/km
Loop resistance					55	Ohm/km
Sheat Insulation voltage (spark test)					3	kV
Structural return loss (SRL)				Max. power		
30 - 300 MHz	>26 dB	100 MHz	200 W	400 MHz	60 W	
300 - 600 MHz	>25 dB	1000 MHz	35 W			
600 - 1000 MHz	>24 dB					
ITALIANA CONDUTTORI s.r.l.			Date		Responsible	
Viale Zanotti 90 I - 27027 Gropello Cairoli			03/08/2023		A. Bergaglio	
Tel +39-382.815150 Fax +39-0382.814212						

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PVC Outer Sheath



Data Sheet

RG58C/U**Screening Attenuation (SA)**

30 - 1000 MHz

>50 dB

Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
50	10,70	470	35,10
200	21,50	800	47,30
300	27,20	1000	54,20

Connectors**CS00**

Stripper for Drop Cables, Standard cables from 5 to 7 mm, Tools -

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