

Description				Data Sheet	
RG coaxial cable as per MIL-C-17 - 75 Ohm				RG59B/U	
PVC Outer Sheath					



Ø	0,58 (FeCu)	3,70 (PE)	4,30 (Cu)	6,15 (PVC)
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Standards
MIL-C-17

Application
Indoor Installation

Construction data

Inner conductor of copper clad steel	(FeCu)	Ø 0,58 ± 0,02	mm
Dielectric of solid polyethylene	(PE)	Ø 3,70 ± 0,10	mm
Braid of annealed copper wires	(Cu)		
Braid optical coverage (IEC 96-1)		94	%
Diameter over Braid		Ø 4,30	mm
Outer sheath of Polyvinylchloride - black (RAL 9011)	(PVC)	Ø 6,15 ± 0,10	mm

Printed each meter by yellow ink-jet :

CAVEL RG59B/U MADE IN ITALY 75 Ohm MIL-C-17 gggaa(n) m

(gggaan=batch number m=meter marking)

Physical data

Weight of copper conductors	19,80	kg/km
Total weight of cable	51,50	kg/km
Minimum bending radius (single/repeated bending)	30/60	mm
Maximum cable pulling strength	200	N
Installation temperature	- 5	°C
Operating temperature	-20 / +70	°C

Electrical data

Characteristic impedance	75 ± 3	Ohm			
Capacitance (@1kHz)	66 ± 2	pF/m			
Velocity Ratio	66 %				
Inner conductor resistance	158	Ohm/km			
Outer conductor resistance	11	Ohm/km			
Loop resistance	169	Ohm/km			
Sheat Insulation voltage (spark test)	3	kV			
Structural return loss (SRL)	Max. power				
30 - 300 MHz	>28 dB	100 MHz	300 W	400 MHz	135 W
300 - 600 MHz	>25 dB	1000 MHz	75 W		
600 - 1000 MHz	>23 dB				

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Data Sheet

RG59B/U**Screening Attenuation (SA)**

30 - 1000 MHz

>45 dB

Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
50	7,70	470	25,40
200	16,00	800	34,00
300	19,90	1000	38,70

Connectors**CS03J**

Stripper for Drop Cables, just for RP and TS Cables, Tools -

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