

## Description

RG coaxial cable as per MIL-C-17 - 75 Ohm

Coaxial Cables

CAVEL®

since 1968

## Data Sheet

RG59B/UZHN



Ø	0,58	3,70	4,30	6,15
	(FeCu)	(PE)	(Cu)	(LSZH)

## Standards

MIL-C-17

## 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 Thermoplastic material - black - halogen-free, low smoke, flame retardant and UV-resistant	(LSZH)	Ø 6,15 ± 0,10	mm

Printed each meter by yellow ink-jet :

CAVEL RG 59 B/U LSZHN MIL-C-17 75 Ohm

(gggaan=batch)

## Physical data

Weight of copper conductors	19,70	kg/km
Total weight of cable	54,11	kg/km
Minimum bending radius (single/repeated bending)	30/60	mm
Maximum cable pulling strength	200	N
Minimum installation temperature	-5	°C
Operating temperature	-25 / +80	°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
300 - 600 MHz	>25 dB	1000 MHz	75 W
600 - 1000 MHz	>23 dB	400 MHz	135 W
Screening Attenuation (SA)			
30 - 1000 MHz	>45 dB		

## ITALIANA CONDUTTORI s.r.l.

Viale Zanotti 90 I - 27027 Gropello Cairoli  
Tel +39-382.815150 Fax +39-0382.814212

## Date

29/02/2016

## Responsible

PierPaolo Piccinini

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**Data Sheet**

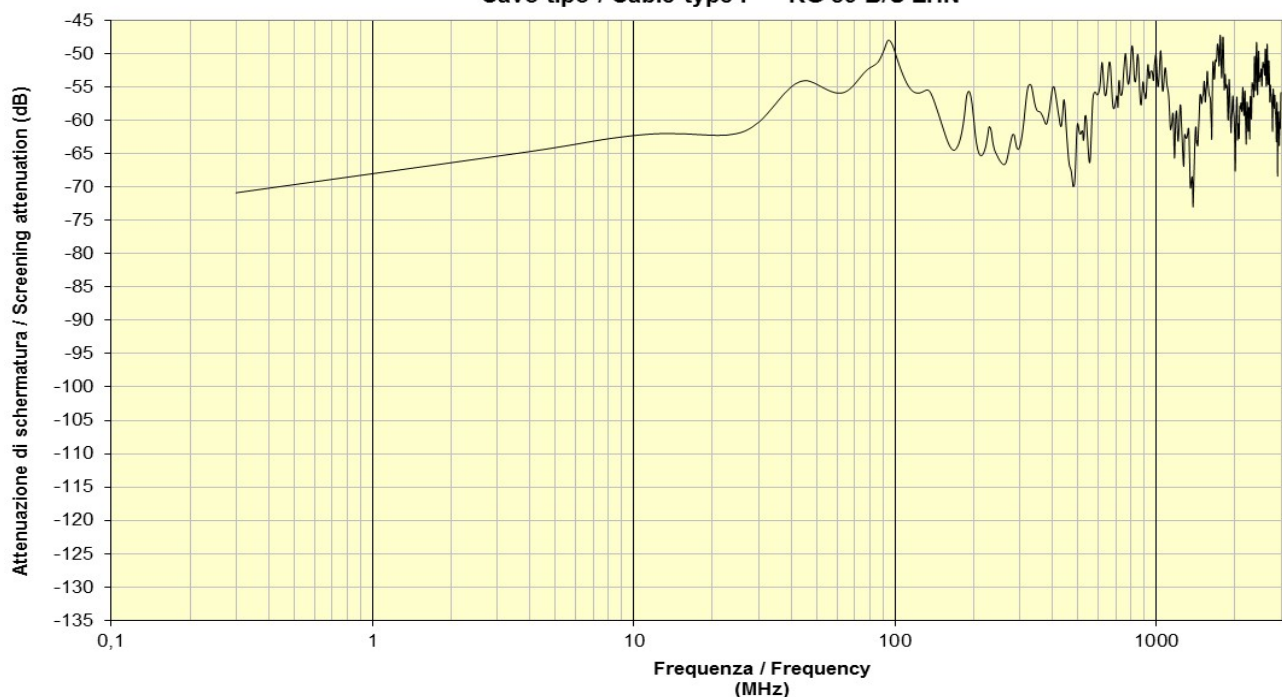
**RG59B/UZHN**

Attenuation (at 20°C )

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
50	7,70	470	25,40
200	16,00	800	34,01
300	19,90	1000	38,70

**Attenuazione di schermatura / Screening Attenuation**

Cavo tipo / Cable type : **RG 59 B/U ZHN**



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