

## Description

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



## Data Sheet

RG59B/UZHN



|                |              |              |                |
|----------------|--------------|--------------|----------------|
| 0,58<br>(FeCu) | 3,70<br>(PE) | 4,30<br>(Cu) | 6,15<br>(LSZH) |
|----------------|--------------|--------------|----------------|

## Constructive data

|  |        |                |
|--|--------|----------------|
| Inner conductor of copper clad steel   | (FeCu) | 0,58 ± 0,02 mm |
| Dielectric of solid polyethylene   | (PE)   | 3,70 ± 0,10 mm |
| Braid of annealed copper wires   | (Cu)   |                |
| Braid optical coverage (IEC 96-1)  |        | 94 %           |
| Diameter under Sheath  |        | 4,30 mm        |
| Outer sheath of Thermoplastic material - black - halogen-free, flame retardant and UV-resistant (Q8) | (LSZH) | 6,15 ± 0,10 mm |

Printed each meter by yellow ink-jet :

CAVEL RG59B/U LSZHN MIL-C-17 75 Ohm

## Electrical data

|   |        |                    |           |
|---|--------|--------------------|-----------|
| Characteristic impedance (@ 200 MHz)          |        | 75 ± 3             | Ohm       |
| Capacitance (@1kHz)                           |        | 66 ± 2             | pF/m      |
| Velocity factor                               |        | 66 %               |           |
| Outer conductor resistance                    |        | 11                 | Ohm/km    |
| Loop resistance                               |        | 169                | Ohm/km    |
| Insulation voltage of the sheath (spark test) |        | 3                  | Kv        |
| Structural return loss (SRL)                  |        | Max. power         |           |
| 30 - 300 MHz                                  | >28 dB | 100 MHz            | 300,00    |
| 300 - 600 MHz                                 | >25 dB | 400 MHz            | 135,00    |
| 600 - 1000 MHz                                | >23 dB | 1000 MHz           | 75,00     |
| Screening attenuation (SA)                    |        | Transfer impedance |           |
| 30 - 1000 MHz                                 | >55 dB | 5 - 30 MHz         | 15 mOhm/m |

## Attenuation (at 20°C):

| Frequency [MHz] | Attenuation [dB/100m] | Frequency [MHz] | Attenuation [dB/100m] |
|-----------------|-----------------------|-----------------|-----------------------|
| 50              | 7,70                  | 470             | 25,40                 |
| 200             | 16,00                 | 862             | 35,30                 |
| 300             | 19,90                 | 1000            | 38,70                 |

ITALIANA CONDUTTORI s.r.l.

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

Date

09/07/2007

Responsible

PierPaolo Piccinini

Description

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



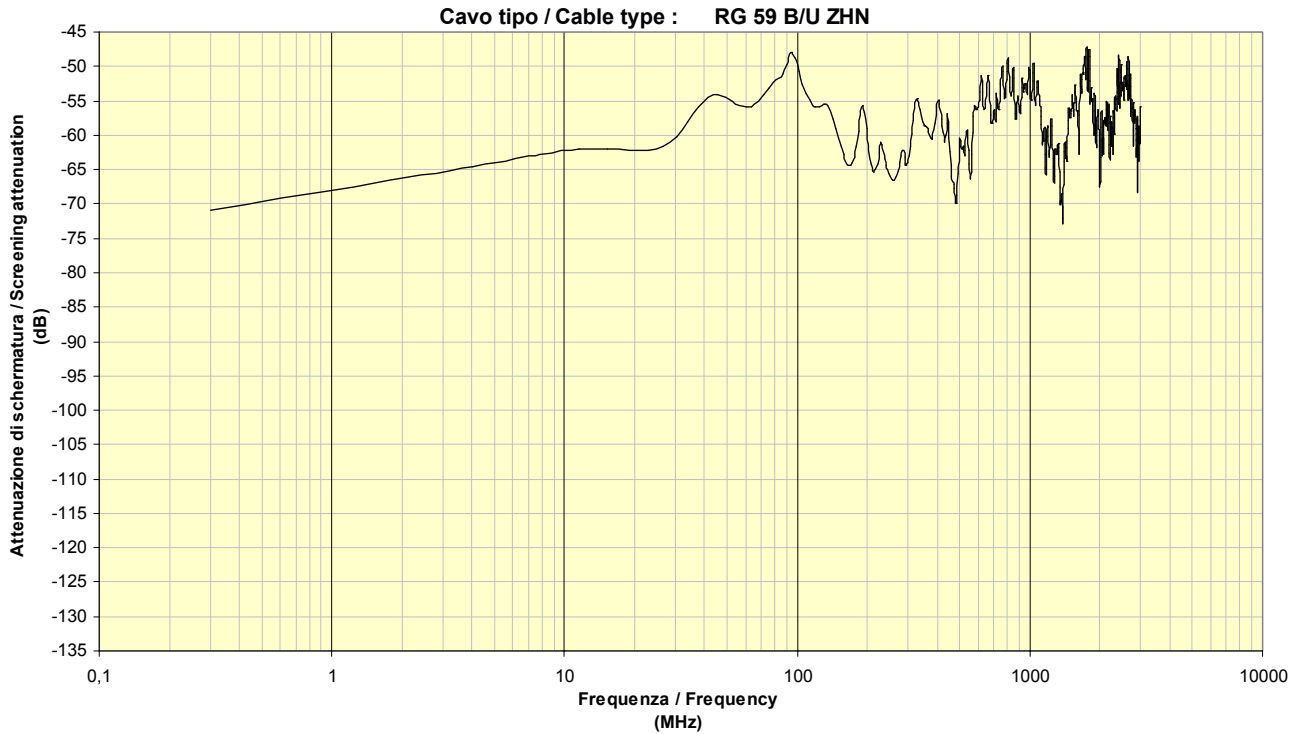
Data Sheet

**RG59B/UZHN**

**Mechanical data**

|  |       |       |
|--|-------|-------|
| Weight of copper conductors                      | 20,10 | kg/km |
| Total weight of cable                            | 54,20 | kg/km |
| Minimum bending radius (single/repeated bending) | 30/60 | mm    |
| Max. cable pulling strength                      | 200   | N     |

**Attenuazione di schermatura / Screening Attenuation**



**ITALIANA CONDUTTORI s.r.l.**

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

Date

**09/07/2007**

Responsible

**PierPaolo Piccinini**