

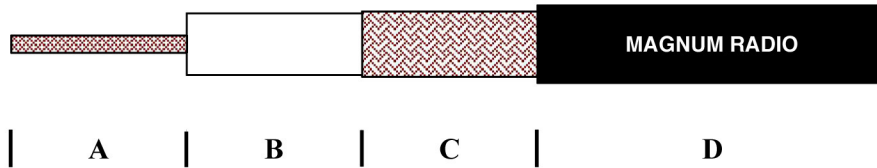
# MAGNUM

GENERAL TECHNICAL DATA :

## RG 213 U

50 Ohm RF coaxial cable  
manufactured in compliance  
with the MIL-C-17F  
standards.

CU                      PE                      CU                      PVC2  
7 x 0,75 mm      ø 7,25 mm      ø 8,00 mm      ø 10,3 mm



### MECHANICAL DATA

### DIMENSIONS

|   |  |      |                      |
|---|--|------|----------------------|
| A | Plain copper inner conductor   | CU   | 7 x 0,75 mm          |
| B | Low density polyethylene dielectric  | PE   | ø 7,25 ± 0,18 mm     |
| C | Plain copper outer conductor<br>Percentage coverage  | CU   | 192 x 0,18 mm<br>97% |
| D | Non-contaminating polyvinyl-chloride sheath<br>Sheath's colour : <b>BLACK</b><br>Sheath's printing : <b>MAGNUM RADIO MIL-C-17F RG 213 U 50 Ohm</b> | PVC2 | ø 10,3 ± 0,18 mm     |

Copper weight                      **76,9 Kg/Km**  
Cable weight                         **163 Kg/Km**

### ELECTRICAL PERFORMANCE

### ATTENUATION dB/100 m

Impedance                            **50 ± 2 Ohm**  
Capacitance                          **100 pF/m**  
Velocity ratio                         **66%**

50 MHz                                **4,5**  
100 MHz                               **6,7**  
200 MHz                               **9,9**  
400 MHz                               **14,3**  
500 MHz                               **16,1**  
600 MHz                               **17,8**  
860 MHz                               **22,1**  
1000 MHz                               **24,3**

### SCREENING EFFECTIVENESS dB

100-900 MHz                         **>55**  
.....-..... MHz

Inner conductor resistance        **6 Ohm/Km**  
Outer conductor resistance        **4,5 Ohm/Km**

### STRUCTURAL RETURN LOSS dB

Temperature range                   **-30 °C / +70 °C**

30-300 MHz                           **>30**  
300-600 MHz                         **>27**  
600-900 MHz                         **>25**

The producer reserves himself to make modification on the item without any notice