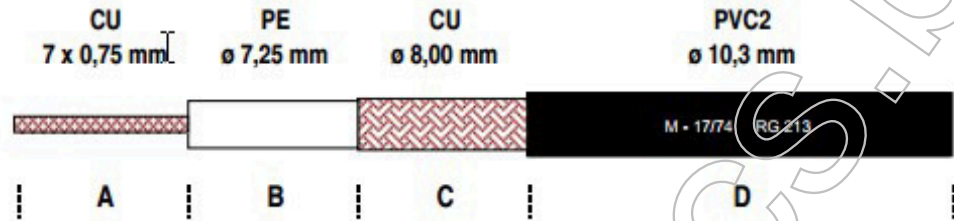


# RG 213 U

50 OHM RF COAXIAL CABLE  
MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS



## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	PLAIN COPPER	7 x 0,75 mm
<b>B</b>	<b>DIELECTRIC</b>	LOW DENSITY POLYETHYLENE	ø 7,25 ± 0,18 mm
<b>C</b>	<b>BRAID</b>	PLAIN COPPER - COVERAGE	192 x 0,18 mm 97%
<b>D</b>	<b>SHEATH</b>	NON-CONTAMINATING POLYVINYL CHLORIDE	ø 10,3 ± 0,18 mm
	- COLOUR	<b>BLACK - RAL 9004</b>	
	- PRINTING	<b>M - 1774 RG 213 MIL-C-17F RG 213 U 50 OHM</b>	

### MINIMUM BENDING RADIUS ( mm )

- SINGLE	ø EXTERNAL X 5
- REPEATED	ø EXTERNAL X 10

### TEMPERATURE RANGE

-30 °C / +70 °C

### CABLE WEIGHT ( Kg/Km )

- COPPER	76,9
- PLASTIC	86,1
- TOTAL	163,0

## ELECTRICAL PROPERTIES at 20°C

**IMPEDANCE** 50 ± 2 Ohm

**CAPACITANCE** 100 pF/m

**VELOCITY RATIO** 66%

### RESISTANCE

- INNER CONDUCTOR	6 Ohm/Km
- BRAID	4 Ohm/Km

### TENSION

- SHEATH SPARK TESTING	5,5 kV
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### ATTENUATIONS dB/100 m.

5 MHz	1,2	500 MHz	15,3	1750 MHz	33,7
10 MHz	1,8	600 MHz	16,9	2150 MHz	38,9
50 MHz	4,3	800 MHz	20,4	2250 MHz	39,7
100 MHz	6,4	1000 MHz	23,2	2500 MHz	42,7
200 MHz	9,5	1350 MHz	28,4	2750 MHz	45,7
300 MHz	11,5	1500 MHz	30,4	3000 MHz	48,9

### STRUCTURAL RETURN LOSS dB

30 ÷ 300 MHz	>31	1000 ÷ 2000 MHz	>24
300 ÷ 600 MHz	>28	2000 ÷ 3000 MHz	>22
600 ÷ 1000 MHz	>27	..... ÷ .....	MHz -

### SCREENING EFFECTIVENESS dB

100 ÷ 900 MHz	>57
900 ÷ 2000 MHz	-
2000 ÷ 3000 MHz	-

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