



FABBRICA CAVI - ANTENNE - ACCESSORI TV

# RG 213 U

50 OHM RF COAXIAL CABLE

MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS

Class CPR **E<sub>ca</sub>**

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



A B C D

## 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	192 x 0,18 mm
		- COVERAGE	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>M17/74-RG213 MIL-C-17F RG 213 U 50 Ohm</b>	
		<b>MADE IN ITALY CE 56 WEEK/YEAR EN 50575:2014 + A1:2016 Eca</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 77,4
- PLASTIC 86,1
- TOTAL 163,5

## ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 50 ± 2 Ohm

CAPACITANCE 100 pF/m

VELOCITY RATIO 66%

### RESISTANCE

- INNER CONDUCT. 6 Ohm/Km
- BRAID 4,4 Ohm/Km

### TENSION

- SHEATH 5,5 kV
- SPARK TESTING

### ATTENUATIONS dB/100 m.

		dB	W
5	MHz	1,2	
10	MHz	1,8	
50	MHz	4,3	
100	MHz	6,4	
200	MHz	9,5	
400	MHz	13,7	

### MAX. POWER RATING W

		dB	W
500	MHz	15,3	
600	MHz	16,9	
800	MHz	20,4	
1000	MHz	23,2	
1350	MHz	28,4	
1500	MHz	30,4	

		dB	W
1750	MHz	33,7	
2150	MHz	38,9	
2250	MHz	39,7	
2500	MHz	42,7	
2750	MHz	45,7	
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.

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