



FABBRICA CAVI - ANTENNE - ACCESSORI TV

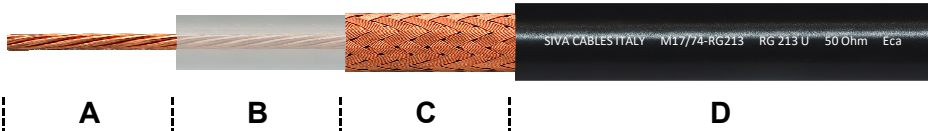
# RG 213 U

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



## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	PLAIN COPPER	.....	<b>7 x 0,75 mm</b>
<b>B</b>	<b>DIELECTRIC</b>	LOW DENSITY POLYETHYLENE	.....	<b>ø 7,25 ± 0,18 mm</b>
<b>C</b>	<b>BRAID</b>	PLAIN COPPER	.....	<b>192 x 0,18 mm</b>
		- COVERAGE	.....	<b>97%</b>
<b>D</b>	<b>SHEATH</b>	NON-CONTAMINATING POLYVINYL-CHLORIDE	.....	<b>ø 10,3 ± 0,18 mm</b>
	- 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

<b>IMPEDANCE</b>	50 ± 2 Ohm	<b>VOLTAGE</b>	
<b>CAPACITANCE</b>	100 pF/m	- OPERATING	≤ 5 kV
<b>VELOCITY RATIO</b>	66%	TEST ( 50 Hz / 1 min )	≤ 10 kV
<b>RESISTANCE</b>		<b>TENSION</b>	
- INNER CONDUCT.	6 Ohm/Km	- SHEATH	5,5 kV
- BRAID	4,4 Ohm/Km	<b>SPARK TESTING</b>	

### ATTENUATIONS dB/100 m.

		<b>dB</b>	<b>W</b>
5	MHz	1,2	2970
10	MHz	1,8	2100
50	MHz	3,3	1212
100	MHz	4,3	939
200	MHz	8,2	542
400	MHz	10,0	448

### MAX. POWER RATING W

		<b>dB</b>	<b>W</b>
500	MHz	14,8	313
600	MHz	16,9	271
800	MHz	20,4	235
1000	MHz	21,6	221
1350	MHz	23,1	210
1500	MHz	30,3	171

		<b>dB</b>	<b>W</b>
1750	MHz	34,2	157
2150	MHz	36,8	148
2250	MHz	42,7	133
2500	MHz	48,9	121
2750	MHz	77,0	87
3000	MHz	84,0	86

### STRUCTURAL RETURN LOSS dB

30 ÷ 300	MHz	>28	1000 ÷ 2000	MHz	>25
300 ÷ 600	MHz	>27	2000 ÷ 3000	MHz	>22
600 ÷ 1000	MHz	>26	..... ÷ .....	MHz	>16

### 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.