



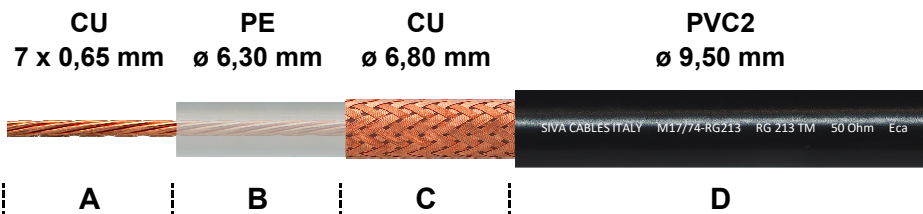
FABBRICA CAVI - ANTENNE - ACCESSORI TV



# RG 213 TM

50 OHM RF COAXIAL CABLE

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



## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	PLAIN COPPER	7 x 0,65 mm
<b>B</b>	<b>DIELECTRIC</b>	LOW DENSITY POLYETHYLENE	ø 6,30 ± 0,15 mm
<b>C</b>	<b>BRAID</b>	PLAIN COPPER	192 x 0,12 mm
		- COVERAGE	90%
<b>D</b>	<b>SHEATH</b>	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 9,50 ± 0,18 mm
	- COLOUR	<b>BLACK - RAL 9004</b>	
	- PRINTING	<b>M17/74-RG213 RG 213 TM 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** 44,7
- **PLASTIC** 79,2
- **TOTAL** 123,9

## ELECTRICAL PROPERTIES at 20°C

**IMPEDANCE** 50 ± 3 Ohm

**CAPACITANCE** 100 pF/m

**VELOCITY RATIO** 66%

### RESISTANCE

- **INNER CONDUCT.** 7,8 Ohm/Km
- **BRAID** 9,5 Ohm/Km

### TENSION

- **SHEATH SPARK TESTING** 7,0 kV

### ATTENUATIONS dB/100 m.

		<b>dB</b>	<b>W</b>
5	MHz	1,4	
10	MHz	2,0	
50	MHz	4,9	
100	MHz	7,3	
200	MHz	10,7	
400	MHz	15,8	

### MAX. POWER RATING W

		<b>dB</b>	<b>W</b>
500	MHz	18,2	
600	MHz	20,2	
800	MHz	23,9	
1000	MHz	27,5	
1350	MHz	33,2	
1500	MHz	35,2	

		<b>dB</b>	<b>W</b>
1750	MHz	39,0	
2150	MHz	44,5	
2250	MHz	45,8	
2500	MHz	49,4	
2750	MHz	52,6	
3000	MHz	56,4	

### STRUCTURAL RETURN LOSS dB

30 ÷ 300	MHz	>31
300 ÷ 600	MHz	>28
600 ÷ 1000	MHz	>26

1000 ÷ 2000	MHz	>23
2000 ÷ 3000	MHz	>20
..... ÷ .....	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.