



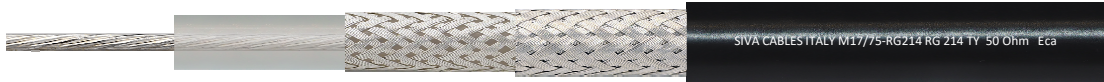
FABBRICA CAVI - ANTENNE - ACCESSORI TV

# RG 214 TY

DOUBLE SCREENED 50 OHM RF COAXIAL CABLE

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

CA 7 x 0,75 mm    PE ø 7,25 mm    CA ø 7,90 mm    CA ø 8,60 mm    PVC2 ø 10,8 mm



A    B    C    D    E

## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	SILVERED 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>1° BRAID</b>	SILVERED COPPER	144 x 0,16 mm
		- COVERAGE	81%
<b>D</b>	<b>2° BRAID</b>	SILVERED COPPER	168 x 0,16 mm
		- COVERAGE	85%
<b>E</b>	<b>SHEATH</b>	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 10,8 ± 0,18 mm
		- COLOUR	<b>BLACK - RAL 9004</b>
		- PRINTING	<b>M17/75-RG214 RG 214 TY 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 96,7
- PLASTIC 87,6
- TOTAL 184,3

## ELECTRICAL PROPERTIES at 20°C

**IMPEDANCE** 50 ± 3 Ohm

**CAPACITANCE** 100 pF/m

**VELOCITY RATIO** 66%

### RESISTANCE

- INNER CONDUCT. 6 Ohm/Km
- BRAID 4,3 Ohm/Km

### TENSION

- SHEATH 6,0 kV
- SPARK TESTING

### ATTENUATIONS dB/100 m.

		<b>dB</b>	<b>W</b>
5	MHz	1,3	2828
10	MHz	1,9	2000
30	MHz	3,5	1155
50	MHz	4,5	894
150	MHz	8,6	516
220	MHz	10,6	426

### MAX. POWER RATING W

		<b>dB</b>	<b>W</b>
450	MHz	15,6	298
600	MHz	18,1	258
800	MHz	21,6	224
900	MHz	23,1	211
1000	MHz	24,7	200
1500	MHz	32,2	163

		<b>dB</b>	<b>W</b>
1800	MHz	36,3	149
2000	MHz	38,9	141
2500	MHz	45,5	126
3000	MHz	52,2	115
5200	MHz	81,3	88
5800	MHz	88,5	83

### STRUCTURAL RETURN LOSS dB

30 ÷ 450 MHz	>22	2000 ÷ 3000 MHz	>19
450 ÷ 1000 MHz	>20	3000 ÷ 4000 MHz	>18
1000 ÷ 2000 MHz	>19	4000 ÷ 5800 MHz	>17

### SCREENING EFFECTIVENESS dB

100 ÷ 900 MHz	>75
900 ÷ 2000 MHz	-
2000 ÷ 3000 MHz	-

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