

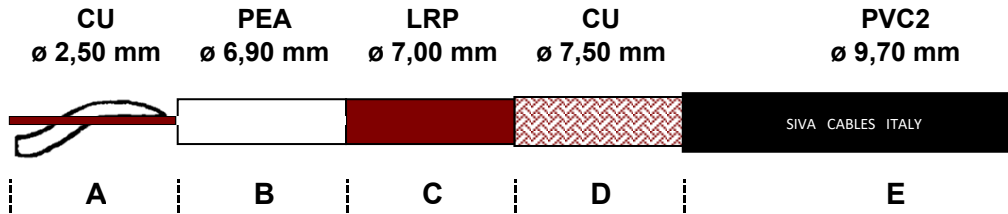


FABBRICA CAVI - ANTENNE - ACCESSORI TV

# RH 100

DOUBLE SCREENED 50 OHM RF COAXIAL CABLE

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



## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	PLAIN COPPER	.....	<b>ø 2,50 mm</b>
<b>B</b>	<b>DIELECTRIC</b>	AIRED POLYETHYLENE	.....	<b>ø 6,90 ± 0,20 mm</b>
<b>C</b>	<b>SHIELD</b>	COPPER + POLYESTER TAPE	.....	<b>h.27 mm</b>
		- COVERAGE	.....	<b>100%</b>
<b>D</b>	<b>BRAID</b>	PLAIN COPPER	.....	<b>96 x 0,12 mm</b>
		- COVERAGE	.....	<b>50%</b>
<b>E</b>	<b>SHEATH</b>	NON-CONTAMINATING POLYVINYL-CHLORIDE	.....	<b>ø 9,70 ± 0,20 mm</b>
	- COLOUR	<b>BLACK - RAL 9004</b>		
	- PRINTING	<b>RH 100 50 OHM LOW LOSS CABLE</b>		<b>2,50 / 6,90 / 9,70</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** 61,0
- **PLASTIC** 67,4
- **TOTAL** 128,4

## ELECTRICAL PROPERTIES at 20°C

<b>IMPEDANCE</b>	50 ± 3 Ohm	<b>RESISTANCE</b>	
		- <b>INNER CONDUCT.</b>	3,7 Ohm/Km
<b>CAPACITANCE</b>	80 pF/m	- <b>BRAID</b>	12,5 Ohm/Km
<b>VELOCITY RATIO</b>	84%	<b>TENSION</b>	
		- <b>SHEATH</b>	5,5 kV
		- <b>SPARK TESTING</b>	

### ATTENUATIONS dB/100 m.

		<b>dB</b>	<b>W</b>
5	MHz	1,0	4243
10	MHz	1,4	3000
30	MHz	2,2	1732
50	MHz	2,9	1342
150	MHz	4,8	775
220	MHz	6,1	640

### MAX. POWER RATING W

		<b>dB</b>	<b>W</b>
450	MHz	8,9	447
600	MHz	10,4	387
800	MHz	12,1	335
900	MHz	12,9	316
1000	MHz	13,7	300
1500	MHz	16,9	245

		<b>dB</b>	<b>W</b>
1800	MHz	18,8	224
2000	MHz	19,9	212
2500	MHz	22,5	190
3000	MHz	24,8	173
5200	MHz	34,5	132
5800	MHz	36,6	125

### STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>21	2000 ÷ 3000	MHz	>16
450 ÷ 1000	MHz	>20	3000 ÷ 4000	MHz	>15
1000 ÷ 2000	MHz	>17	4000 ÷ 5800	MHz	>14

### SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>75
900 ÷ 2000	MHz	>75
2000 ÷ 3000	MHz	>60

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