

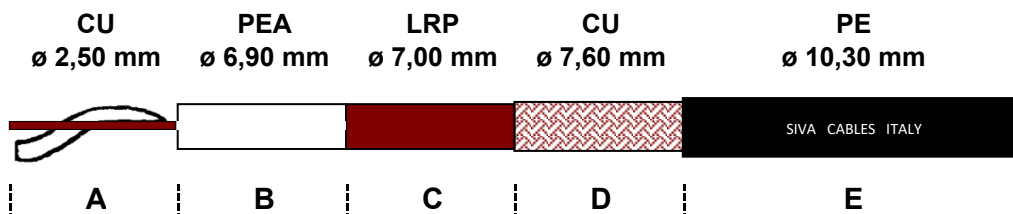


FABBRICA CAVI - ANTENNE - ACCESSORI TV

# RH 200 INT

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>192 x 0,15 mm</b>
		- COVERAGE	.....	<b>96%</b>
<b>E</b>	<b>SHEATH</b>	CARBON BLACK POLYETHYLENE	.....	<b>ø 10,3 ± 0,20 mm</b>
	- COLOUR	<b>BLACK - RAL 9004</b>		
	- PRINTING	<b>RH 200 INT 50 OHM</b>	<b>LOW LOSS CABLE</b>	<b>2,50 / 6,90 / 10,30</b>

### MINIMUM BENDING RADIUS ( mm )

- SINGLE	ø EXTERNAL X 5
- REPEATED	ø EXTERNAL X 10

### TEMPERATURE RANGE

-40 °C / +75 °C

### CABLE WEIGHT ( Kg/Km )

- COPPER	88,5
- PLASTIC	59,0
- TOTAL	147,5

## ELECTRICAL PROPERTIES at 20°C

**IMPEDANCE** 50 ± 3 Ohm

**CAPACITANCE** 80 pF/m

**VELOCITY RATIO** 84%

### RESISTANCE

- INNER CONDUCT.	3,7 Ohm/Km
- BRAID	5,5 Ohm/Km

### TENSION

- SHEATH SPARK TESTING	9,5 kV
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### ATTENUATIONS dB/100 m.

		dB	W
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

		dB	W
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

		dB	W
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	>90
900 ÷ 2000	MHz	>85
2000 ÷ 3000	MHz	>75

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