



FABBRICA CAVI - ANTENNE - ACCESSORI TV



# RF 58 LTA-PVC

DOUBLE SCREENED 50 OHM  
RF COAXIAL CABLE

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

**CU**      **PEE**      **LTA**      **CS**      **PVC2**  
 ø 1,00 mm    ø 2,95 mm    ø 3,05 mm    ø 3,45 mm    ø 5,00 mm



|| **A** || || **B** || || **C** || || **D** || || **E** ||

## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	PLAIN COPPER	.....	ø 1,00 mm
<b>B</b>	<b>DIELECTRIC</b>	FOAM POLYETHYLENE	.....	ø 2,95 ± 0,10 mm
<b>C</b>	<b>SHIELD</b>	ALUMINIUM + POLYESTER + ALUMINIUM TAPE		h. 12 mm
		- COVERAGE	.....	100%
<b>D</b>	<b>BRAID</b>	TINNED COPPER	.....	96 x 0,10 mm
		- COVERAGE	.....	75%
<b>E</b>	<b>SHEATH</b>	NON-CONTAMINATING POLYVINYL-CHLORIDE		ø 5,00 ± 0,10 mm
	- COLOUR	<b>WHITE - RAL 9001</b>		
	- PRINTING	<b>## METER ##</b> RF 58 LTA 50 OHM LOW LOSS CABLE		1,00 / 2,95 / 5,00
		<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**      14,2
- **PLASTIC**      18,3
- **TOTAL**      33,5

## ELECTRICAL PROPERTIES at 20°C

**IMPEDANCE**      50 ± 3 Ohm

**CAPACITANCE**      80 pF/m

**VELOCITY RATIO**      80%

### RESISTANCE

- **INNER CONDUCT.**      22,5 Ohm/Km
- **BRAID**      20,5 Ohm/Km

### TENSION

- **SHEATH**      4,0 kV

### SPARK TESTING

### ATTENUATIONS dB/100 m.

		<b>dB</b>	<b>W</b>
5	MHz	2,6	2121
10	MHz	3,5	1500
30	MHz	5,8	866
50	MHz	7,5	671
150	MHz	12,2	387
220	MHz	14,8	320

### MAX. POWER RATING W

		<b>dB</b>	<b>W</b>
450	MHz	21,6	224
600	MHz	25,2	194
800	MHz	29,5	168
900	MHz	31,3	158
1000	MHz	33,4	150
1500	MHz	42,0	122

		<b>dB</b>	<b>W</b>
1800	MHz	46,4	112
2000	MHz	49,4	106
2500	MHz	55,2	95
3000	MHz	60,8	87
5200	MHz	84,1	66
5800	MHz	89,5	62

### STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>22	2000 ÷ 3000	MHz	>17
450 ÷ 1000	MHz	>20	3000 ÷ 4000	MHz	>16
1000 ÷ 2000	MHz	>19	4000 ÷ 5800	MHz	>15

### SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>80
900 ÷ 2000	MHz	>70
2000 ÷ 3000	MHz	>60

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