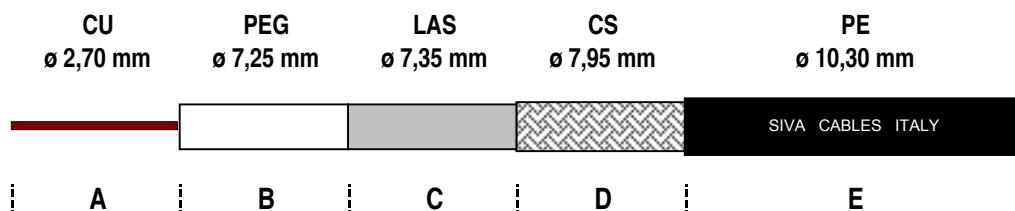


# RF 400 LTA

## DOUBLE SCREENED 50 OHM RF COAXIAL CABLE



### MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	PLAIN COPPER	.....	<b>ø 2,70 mm</b>
<b>B</b>	<b>DIELECTRIC</b>	GAS INJECTED FOAM POLYETHYLENE	.....	<b>ø 7,25 ± 0,10 mm</b>
<b>C</b>	<b>SHIELD</b>	ALUMINIUM + POLYESTER + ALUMINIUM ADHESIVE TAPE		<b>h. 27 mm</b>
		- COVERAGE	.....	<b>100%</b>
<b>D</b>	<b>BRAID</b>	TINNED COPPER	.....	<b>128 x 0,15 mm</b>
		- COVERAGE	.....	<b>70%</b>
<b>E</b>	<b>SHEATH</b>	CARBON BLACK POLYETHYLENE	.....	<b>ø 10,30 ± 0,18 mm</b>
	- COLOUR	<b>BLACK - RAL 9004</b>		
	- PRINTING	<b>RF 400 LTA 50 OHM LOW LOSS CABLE</b>		<b>2,70 / 7,25 / 10,30</b>

### MINIMUM BENDING RADIUS ( mm )

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

### TAMPERATURE RANGE

-40 °C / +75 °C

### CABLE WEIGHT ( Kg/Km )

- COPPER	74,1
- PLASTIC	47,6
- TOTAL	125,0

### ELECTRICAL PROPERTIES at 20°C

**IMPEDANCE** 50 ± 3 Ohm

**CAPACITANCE** 80 pF/m

**VELOCITY RATIO** 84%

### RESISTANCE

- INNER CONDUCTOR	3,2 Ohm/Km
- BRAID	7,5 Ohm/Km

### TENSION

- SHEATH SPARK TESTING	8,5 kV
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### ATTENUATIONS dB/100 m.

		dB	W
5	MHz	0,9	
10	MHz	1,2	
50	MHz	2,5	
100	MHz	3,6	
200	MHz	5,3	
300	MHz	6,7	

### MAX. POWER RATING W

		dB	W
500	MHz	9,0	
600	MHz	10,0	
800	MHz	11,7	
1000	MHz	13,2	
1350	MHz	15,8	
1500	MHz	16,6	

		dB	W
1750	MHz	18,7	
2150	MHz	20,6	
2250	MHz	21,2	
2500	MHz	22,6	
2750	MHz	23,8	
3000	MHz	25,1	

### STRUCTURAL RETURN LOSS dB

30 ÷ 300	MHz	>29	1000 ÷ 2000	MHz	>19
300 ÷ 600	MHz	>26	2000 ÷ 3000	MHz	>18
600 ÷ 1000	MHz	>24	..... ÷ .....	MHz	-

### SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>90
900 ÷ 2000	MHz	>80
2000 ÷ 3000	MHz	>70

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