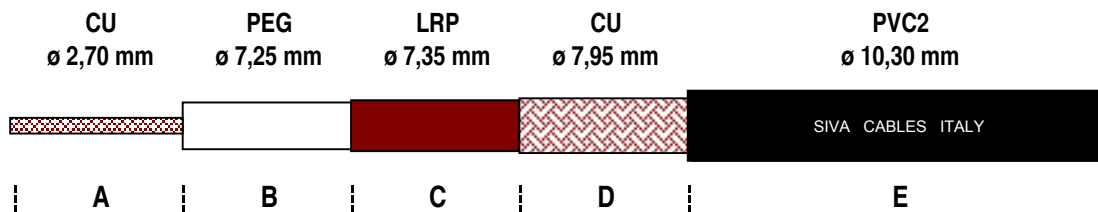


RF 400 LRP

DOUBLE SCREENED 50 OHM RF COAXIAL CABLE



MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	.....	ø 2,70 mm
B	DIELECTRIC	GAS INJECTED FOAM POLYETHYLENE	.....	ø 7,25 ± 0,10 mm
C	SHIELD	COPPER + POLYESTER TAPE	.....	h. 27 mm
	-	COVERAGE	.....	100%
D	BRAID	PLAIN COPPER	.....	96 x 0,15 mm
	-	COVERAGE	.....	56%
E	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	.....	ø 10,30 ± 0,18 mm
	-	COLOUR	BLACK - RAL 9004	
	-	PRINTING	RF 400 LRP 50 OHM LOW LOSS CABLE 2,70 / 7,25 / 10,30	

MINIMUM BENDING RADIUS (mm)

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

TAMPERATURE RANGE

-30 °C / +70 °C

CABLE WEIGHT (Kg/Km)

-	COPPER	74,3
-	PLASTIC	65,6
-	TOTAL	139,9

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 50 ± 3 Ohm

CAPACITANCE 80 pF/m

VELOCITY RATIO 84%

RESISTANCE

-	INNER CONDUCTOR	3,2 Ohm/Km
-	BRAID	12,7 Ohm/Km

TENSION

-	SHEATH	6,0 kV
-	SPARK TESTING	

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

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