



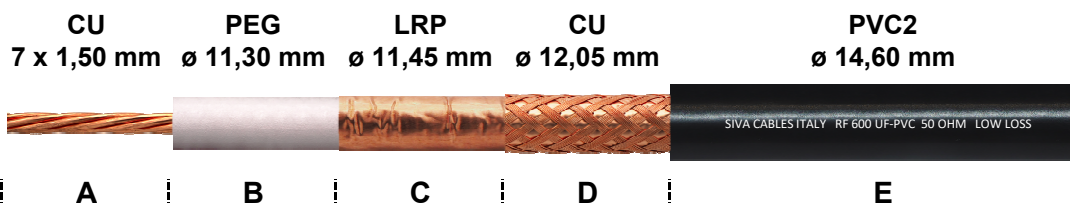
FABBRICA CAVI - ANTENNE - ACCESSORI TV



RF 600 UF - PVC

HIGH FLEXIBLE AND PERFORMANCE BROADBAND LOW LOSS 50 OHM COAXIAL
COMMUNICATION CABLE DESIGNED FOR USE IN WIRELESS APPLICATIONS

Class CPR **E_{ca}**



MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	7 x 1,50 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	ø 11,30 ± 0,18 mm
C	SHIELD	COPPER + POLYESTER TAPE	h. 45 mm
	- COVERAGE		100%
D	BRAID	PLAIN COPPER	192 x 0,15 mm
	- COVERAGE		72%
E	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 14,60 ± 0,20 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING	## METER ## RF 600 UF 50 OHM LOW LOSS FLEXIBLE CABLE 7x1,50/11,30/14,60	
		MADE IN ITALY CE 64 WEEK/YEAR EN 50575:2014 + A1:2016 Eca	

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 158,6
- PLASTIC 106,0
- TOTAL 264,6

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE @ 200 MHz	50 ± 3 Ohm	RESISTANCE	
		- INNER CONDUCT.	1,5 Ohm/Km
CAPACITANCE	78 pF/m	- BRAID	5,0 Ohm/Km
VELOCITY RATIO	85%	TENSION	
		- SHEATH	6,5 kV
		SPARK TESTING	

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	0,6	10607
10	MHz	0,9	7500
30	MHz	1,6	4330
50	MHz	2,1	3354
150	MHz	3,5	1936
220	MHz	4,4	1599
450	MHz	6,4	1118

MAX. POWER RATING W

		dB	W
600	MHz	7,5	968
800	MHz	8,9	839
900	MHz	9,6	791
1000	MHz	10,1	750
1500	MHz	12,8	612
1800	MHz	14,2	559
2000	MHz	15,0	530

		dB	W
2500	MHz	17,0	474
3000	MHz	18,8	433
5200	MHz	25,9	329
5800	MHz	27,8	311
6000	MHz	28,3	306
8000	MHz	33,9	265
10000	MHz	39,4	237

STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>28	3000 ÷ 4000	MHz	>16
450 ÷ 1000	MHz	>24	4000 ÷ 5800	MHz	>15
1000 ÷ 2000	MHz	>18	5800 ÷ 8000	MHz	>14
2000 ÷ 3000	MHz	>17	8000 ÷ 10000	MHz	>13

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.