

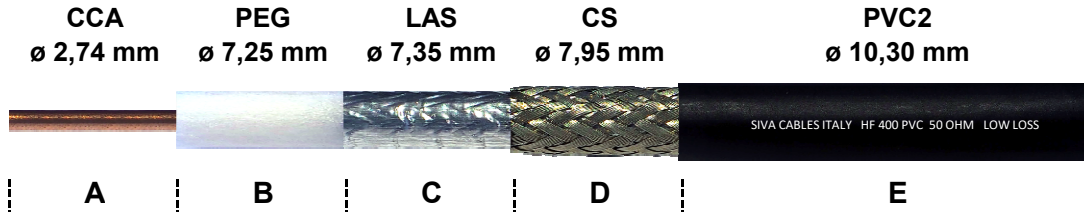


FABBRICA CAVI - ANTENNE - ACCESSORI TV

# HF 400 PVC

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

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



## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	PLAIN COPPER CLAD ALUMINIUM	.....	ø 2,74 mm
<b>B</b>	<b>DIELECTRIC</b>	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE		ø 7,25 ± 0,18 mm
<b>C</b>	<b>SHIELD</b>	ALL + PET + ALL ADHESIVE TAPE		h. 27 mm
		- COVERAGE	.....	100%
<b>D</b>	<b>BRAID</b>	TINNED COPPER	.....	168 x 0,15 mm
		- COVERAGE	.....	90%
<b>E</b>	<b>SHEATH</b>	NON-CONTAMINATING POLYVINYL-CHLORIDE		ø 10,30 ± 0,18 mm
	- COLOUR	<b>BLACK - RAL 9004</b>		
	- PRINTING	<b>## METER ## HF 400 PVC HIGH PERFORMANCE LOW LOSS CABLE 50 OHM</b>		
		<b>2,74 / 7,25 / 10,30 MADE IN ITALY CE 63 SETT/ANNO EN 50575:2014 + A1:2016 Eca</b>		

### MINIMUM BENDING RADIUS ( mm )

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

### CABLE WEIGHT ( Kg/Km )

- COPPER 35,3
- ALUMINIUM 21,4
- PLASTIC 62,2
- TOTAL 122,2

TEMPERATURE RANGE -30 °C / +70 °C

## ELECTRICAL PROPERTIES at 20°C

<b>IMPEDANCE @ 200 MHz</b>	<b>50 ± 1,5 Ohm</b>	<b>RESISTANCE</b>	
		- INNER CONDUCT.	4,7 Ohm/Km
<b>CAPACITANCE</b>	80 pF/m	- BRAID	5,0 Ohm/Km
<b>VELOCITY RATIO</b>	84%	<b>TENSION</b>	
		- SHEATH	6,0 kV
		<b>SPARK TESTING</b>	

### ATTENUATIONS dB/100 m.

		<b>dB</b>	<b>W</b>
5	MHz	1,0	8202
10	MHz	1,4	5800
30	MHz	2,2	3349
50	MHz	2,8	2594
150	MHz	4,7	1498
220	MHz	5,9	1237
450	MHz	8,6	865

### MAX. POWER RATING W

		<b>dB</b>	<b>W</b>
600	MHz	10,0	749
800	MHz	11,6	648
900	MHz	12,4	611
1000	MHz	13,1	580
1500	MHz	16,3	474
1800	MHz	18,1	432
2000	MHz	19,2	410

		<b>dB</b>	<b>W</b>
2500	MHz	21,5	367
3000	MHz	23,6	335
5200	MHz	32,8	254
5800	MHz	34,8	241
6000	MHz	35,4	237
8000	MHz	41,9	205
10000	MHz	48,3	183

### STRUCTURAL RETURN LOSS dB

30 ÷ 450 MHz	>34	3000 ÷ 4000 MHz	>22
450 ÷ 1000 MHz	>30	4000 ÷ 5800 MHz	>18
1000 ÷ 2000 MHz	>28	5800 ÷ 8000 MHz	>16
2000 ÷ 3000 MHz	>24	8000 ÷ 10000 MHz	>15

### SCREENING EFFECTIVENESS dB

100 ÷ 900 MHz	>100
900 ÷ 2000 MHz	>95
2000 ÷ 3000 MHz	>85

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