



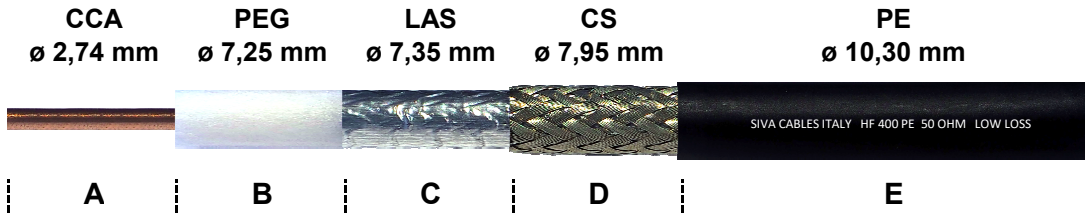
FABBRICA CAVI - ANTENNE - ACCESSORI TV



# HF 400 PE

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

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



## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	PLAIN COPPER CLAD ALUMINIUM	.....	<b>ø 2,74 mm</b>
<b>B</b>	<b>DIELECTRIC</b>	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	.....	<b>ø 7,25 ± 0,18 mm</b>
<b>C</b>	<b>SHIELD</b>	ALL + PET + ALL ADHESIVE TAPE	.....	<b>h. 27 mm</b>
		- COVERAGE	.....	<b>100%</b>
<b>D</b>	<b>BRAID</b>	TINNED COPPER	.....	<b>192 x 0,15 mm</b>
		- COVERAGE	.....	<b>90%</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>## METER ## HF 400 PE HIGH PERFORMANCE LOW LOSS CABLE 50 OHM</b>		
		<b>2,74 / 7,25 / 10,30 MADE IN ITALY CE 58 WEEK/YEAR</b>		

### MINIMUM BENDING RADIUS ( mm )

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

**TEMPERATURE RANGE**      -40 °C / +75 °C

### CABLE WEIGHT ( Kg/Km )

- **COPPER**      56,0
- **PLASTIC**      44,2
- **TOTAL**      103,5

## ELECTRICAL PROPERTIES at 20°C

<b>IMPEDANCE @ 200 MHz</b>	<b>50 ± 1,5 Ohm</b>	<b>RESISTANCE</b>	
		- <b>INNER CONDUCT.</b>	4,7 Ohm/Km
<b>CAPACITANCE</b>	80 pF/m	- <b>BRAID</b>	5,0 Ohm/Km
<b>VELOCITY RATIO</b>	84%	<b>TENSION</b>	
		- <b>SHEATH</b>	8,5 kV
		- <b>SPARK TESTING</b>	

### ATTENUATIONS dB/100 m.

		<b>dB</b>	<b>W</b>
5	MHz	1,0	8202
10	MHz	1,3	5800
30	MHz	2,1	3349
50	MHz	2,8	2594
150	MHz	4,7	1498
220	MHz	5,7	1237

### MAX. POWER RATING W

		<b>dB</b>	<b>W</b>
450	MHz	8,4	865
600	MHz	9,8	749
800	MHz	11,4	648
900	MHz	12,1	611
1000	MHz	12,8	580
1500	MHz	16,0	474

		<b>dB</b>	<b>W</b>
1800	MHz	17,7	432
2000	MHz	18,9	410
2500	MHz	21,1	367
3000	MHz	23,4	335
5200	MHz	32,7	254
5800	MHz	34,7	241

### STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>27	2000 ÷ 3000	MHz	>22
450 ÷ 1000	MHz	>26	3000 ÷ 4000	MHz	>21
1000 ÷ 2000	MHz	>23	4000 ÷ 5800	MHz	>20

### SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>95
900 ÷ 2000	MHz	>85
2000 ÷ 3000	MHz	>75

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