

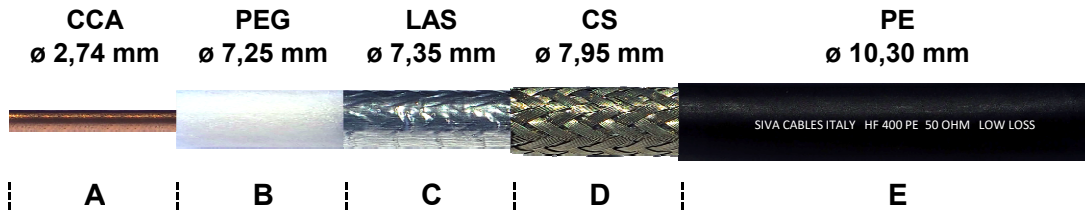


FABBRICA CAVI - ANTENNE - ACCESSORI TV

HF 400 PE

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

Class CPR **F_{ca}**



MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER CLAD ALUMINIUM		ø 2,74 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE		ø 7,25 ± 0,18 mm
C	SHIELD	ALL + PET + ALL ADHESIVE TAPE		h. 27 mm
		- COVERAGE		100%
D	BRAID	TINNED COPPER		168 x 0,15 mm
		- COVERAGE		90%
E	SHEATH	CARBON BLACK FREE OF HALOGENS		ø 10,30 ± 0,18 mm
		UV RESISTANT POLYETHYLENE		
	- COLOUR	BLACK - RAL 9004		
	- PRINTING	## METER ## HF 400 PE HIGH PERFORMANCE LOW LOSS CABLE 50 OHM		
		2,74 / 7,25 / 10,30 MADE IN ITALY CE 58 WEEK/YEAR		

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	44,2
- TOTAL	104,2

TEMPERATURE RANGE -40 °C / +75 °C

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE @ 200 MHz 50 ± 1,5 Ohm

CAPACITANCE 80 pF/m

VELOCITY RATIO 84%

RESISTANCE

- INNER CONDUCT.	4,7 Ohm/Km
- BRAID	5,0 Ohm/Km

TENSION

- SHEATH	8,5 kV
- SPARK TESTING	

ATTENUATIONS dB/100 m.

		dB	W
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

		dB	W
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

		dB	W
2500	MHz	21,6	367
3000	MHz	23,8	335
5200	MHz	33,2	254
5800	MHz	35,3	241
6000	MHz	35,9	237
8000	MHz	42,6	205
10000	MHz	49,0	183

STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>26	3000 ÷ 4000	MHz	>20
450 ÷ 1000	MHz	>25	4000 ÷ 5800	MHz	>19
1000 ÷ 2000	MHz	>22	5800 ÷ 8000	MHz	>18
2000 ÷ 3000	MHz	>21	8000 ÷ 10000	MHz	>17

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.