

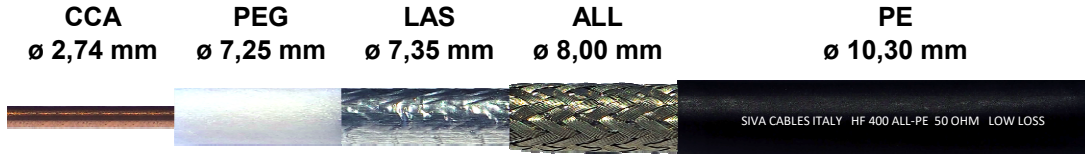


FABBRICA CAVI - ANTENNE - ACCESSORI TV

HF 400 ALL-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	ALUMINIUM	168 x 0,16 mm
	- COVERAGE		88%
E	SHEATH	CARBON BLACK POLYETHYLENE	ø 10,30 ± 0,18 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING	## METER ## HF 400 ALL-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

TEMPERATURE RANGE

-40 °C / +75 °C

CABLE WEIGHT (Kg/Km)

- ALUMINIUM	32,2
- PLASTIC	43,7
- TOTAL	79,2

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE @ 200 MHz	50 ± 1,5 Ohm	RESISTANCE	
		- INNER CONDUCT.	4,7 Ohm/Km
CAPACITANCE	80 pF/m	- BRAID	6,0 Ohm/Km
VELOCITY RATIO	84%	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	2,9	2594
150	MHz	4,8	1498
220	MHz	6,1	1237
450	MHz	8,9	865

MAX. POWER RATING W

		dB	W
600	MHz	10,4	749
800	MHz	12,1	648
900	MHz	12,9	611
1000	MHz	13,7	580
1500	MHz	16,9	474
1800	MHz	18,8	432
2000	MHz	19,9	410

		dB	W
2500	MHz	22,5	367
3000	MHz	24,8	335
5200	MHz	34,5	254
5800	MHz	36,6	241
6000	MHz	37,3	237
8000	MHz	44,2	205
10000	MHz	51,0	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.