



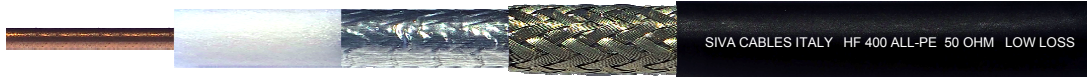
FABBRICA CAVI - ANTENNE - ACCESSORI TV

HF 400 ALL-PE

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

Class CPR **F_{ca}**

CCA PEG LAS CS + ALL PE
 ø 2,74 mm ø 7,25 mm ø 7,35 mm ø 8,00 mm ø 10,30 mm



|| A || B || C || D || E ||

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	.....	84 x 0,16 mm
		TINNED COPPER	.....	84 x 0,15 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

CABLE WEIGHT (Kg/Km)

- COPPER 15,6
- ALUMINIUM 26,8
- PLASTIC 43,7
- TOTAL 89,4

TEMPERATURE RANGE -40 °C / +75 °C

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	1,3	5800
30	MHz	2,1	3349
50	MHz	2,8	2594
150	MHz	4,8	1498
220	MHz	5,8	1237

MAX. POWER RATING W

		dB	W
450	MHz	8,6	865
600	MHz	10,2	749
800	MHz	11,8	648
900	MHz	12,6	611
1000	MHz	13,4	580
1500	MHz	16,7	474

		dB	W
1800	MHz	18,5	432
2000	MHz	19,7	410
2500	MHz	22,2	367
3000	MHz	24,6	335
5200	MHz	34,1	254
5800	MHz	36,2	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.