



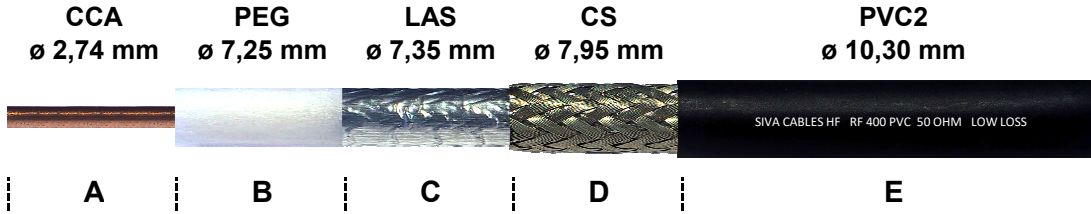
FABBRICA CAVI - ANTENNE - ACCESSORI TV



HF 400 PVC

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

Class CPR **E_{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	192 x 0,15 mm
		- COVERAGE	90%
E	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE		ø 10,30 ± 0,18 mm
	- COLOUR	BLACK - RAL 9004		
	- PRINTING	## METER ## HF 400 PVC HIGH PERFORMANCE LOW LOSS CABLE 50 OHM		
		2,74 / 7,25 / 10,30 MADE IN ITALY CE 58 WEEK/YEAR EN 50575:2014 + A1:2016 Eca		

MINIMUM BENDING RADIUS (mm)

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

TEMPERATURE RANGE -30 °C / +70 °C

CABLE WEIGHT (Kg/Km)

- **COPPER** 56,0
- **PLASTIC** 62,2
- **TOTAL** 121,5

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE @ 200 MHz	50 ± 1,5 Ohm	RESISTANCE	
		- INNER CONDUCT.	4,7 Ohm/Km
CAPACITANCE	80 pF/m	- BRAID	5,0 Ohm/Km
VELOCITY RATIO	84%	TENSION	
		- SHEATH	6,0 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	4,7	1498
220	MHz	5,7	1237

MAX. POWER RATING W

		dB	W
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

		dB	W
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.