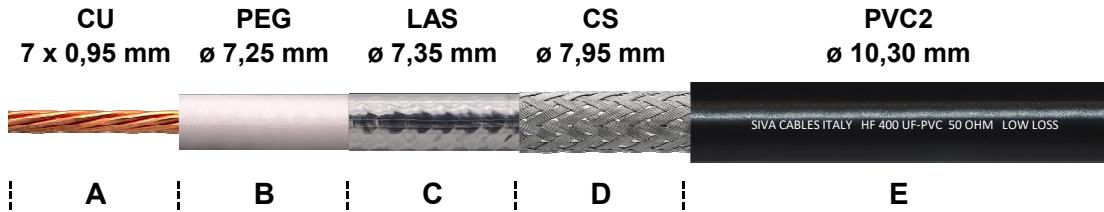


HF 400 UF-PVC

HIGH FLEXIBLE AND 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	7 x 0,95 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	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 10,30 ± 0,18 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING	## METER ## HF 400 UF - PVC HIGH PERFORMANCE LOW LOSS FLEXIBLE CABLE 50 OHM	
		7x0,95 / 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	79,4
- PLASTIC	62,5
- TOTAL	145,2

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE @ 200 MHz	50 ± 3 Ohm	RESISTANCE	
		- INNER CONDUCT.	4,0 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	7778
10	MHz	1,4	5500
30	MHz	2,2	3175
50	MHz	3,0	2460
150	MHz	5,0	1420
220	MHz	6,4	1173
450	MHz	9,5	820

MAX. POWER RATING W

		dB	W
600	MHz	11,1	710
800	MHz	12,9	615
900	MHz	13,8	580
1000	MHz	14,7	550
1500	MHz	18,1	449
1800	MHz	20,2	410
2000	MHz	21,4	389

		dB	W
2500	MHz	24,5	348
3000	MHz	27,0	318
5200	MHz	38,5	241
5800	MHz	40,6	228
6000	MHz	41,3	225
8000	MHz	49,2	194
10000	MHz	56,5	174

STRUCTURAL RETURN LOSS dB

30 ÷ 450 MHz	>24	3000 ÷ 4000 MHz	>18
450 ÷ 1000 MHz	>23	4000 ÷ 5800 MHz	>17
1000 ÷ 2000 MHz	>20	5800 ÷ 8000 MHz	>16
2000 ÷ 3000 MHz	>19	8000 ÷ 10000 MHz	>15

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.