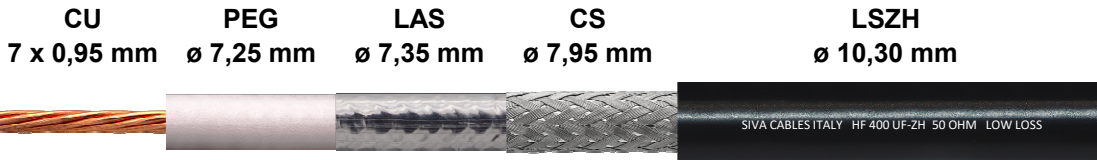


# HF 400 UF-ZH

HIGH FLEXIBLE AND PERFORMANCE BROADBAND LOW LOSS 50 OHM COAXIAL  
COMMUNICATION CABLE DESIGNED FOR USE IN WIRELESS APPLICATIONS  
IN ACCORDANCE TO : IEC 60754-1 IEC 60754-2 IEC 61034-2

Class CPR **E<sub>ca</sub>**



## MECHANICAL DATA

Layer	Material	Dimensions
A	PLAIN COPPER	7 x 0,95 mm
B	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	ø 7,25 ± 0,18 mm
C	ALL + PET + ALL ADHESIVE TAPE - COVERAGE	h. 27 mm 100%
D	TINNED COPPER - COVERAGE	168 x 0,15 mm 90%
E	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	ø 10,30 ± 0,18 mm

- COLOUR **BLACK - RAL 9004**  
- PRINTING **## METER ## HF 400 UF - ZH HIGH PERFORMANCE LOW LOSS FLEX LSZH 50 OHM**  
**7x0,95 / 7,25 / 10,30 MADE IN ITALY CE 58 SETT/ANNO EN 50575:2014 + A1:2016 Eca**

### MINIMUM BENDING RADIUS ( mm )

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

TEMPERATURE RANGE -40 °C / +80 °C

### CABLE WEIGHT ( Kg/Km )

- COPPER	79,4
- PLASTIC	64,2
- TOTAL	146,9

## ELECTRICAL PROPERTIES at 20°C

IMPEDANCE @ 200 MHz	50 ± 3 Ohm	RESISTANCE	
CAPACITANCE	80 pF/m	- INNER CONDUCT.	4,0 Ohm/Km
VELOCITY RATIO	84%	- BRAID	5,0 Ohm/Km
		TENSION	
		- SHEATH	6,0 kV
		SPARK TESTING	

### ATTENUATIONS dB/100 m.

Frequency (MHz)	Attenuation (dB)	Power (W)
5	1,0	7778
10	1,4	5500
30	2,2	3175
50	3,0	2460
150	5,0	1420
220	6,4	1173
450	9,5	820

### MAX. POWER RATING W

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

Frequency (MHz)	Attenuation (dB)	Power (W)
2500	24,5	348
3000	27,0	318
5200	38,5	241
5800	40,6	228
6000	41,3	225
8000	49,2	194
10000	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.