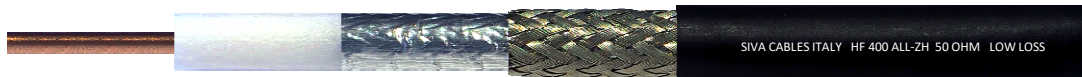


# HF 400 ALL-ZH

HIGH 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>**

CCA      PEG      LAS      ALL      LSZH  
 $\varnothing$  2,74 mm     $\varnothing$  7,25 mm     $\varnothing$  7,35 mm     $\varnothing$  8,00 mm     $\varnothing$  10,30 mm



## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	PLAIN COPPER CLAD ALUMINIUM	$\varnothing$ 2,74 mm
<b>B</b>	<b>DIELECTRIC</b>	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	$\varnothing$ 7,25 $\pm$ 0,18 mm
<b>C</b>	<b>SHIELD</b>	ALL + PET + ALL ADHESIVE TAPE	h. 27 mm
		- COVERAGE	100%
<b>D</b>	<b>BRAID</b>	ALUMINIUM	168 x 0,16 mm
		- COVERAGE	88%
<b>E</b>	<b>SHEATH</b>	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	$\varnothing$ 10,30 $\pm$ 0,18 mm
	- COLOUR	<b>BLACK - RAL 9004</b>	
	- PRINTING	<b>## METER ## HF 400 ALL - ZH HIGH PERFORMANCE LOW LOSS CABLE LSZH 50 OHM 2,74 / 7,25 / 10,30 MADE IN ITALY CE 63 SETT/ANNO EN 50575:2014 + A1:2016 Eca</b>	

### MINIMUM BENDING RADIUS ( mm )

- SINGLE	$\varnothing$ EXTERNAL X 5
- REPEATED	$\varnothing$ EXTERNAL X 10

### TEMPERATURE RANGE

-40 °C / +80 °C

### CABLE WEIGHT ( Kg/Km )

- ALUMINIUM	32,2
- PLASTIC	63,0
- TOTAL	98,5

## ELECTRICAL PROPERTIES at 20°C

<b>IMPEDANCE @ 200 MHz</b>	<b>50 <math>\pm</math> 1,5 Ohm</b>	<b>RESISTANCE</b>	
		- INNER CONDUCT.	4,7 Ohm/Km
<b>CAPACITANCE</b>	80 pF/m	- BRAID	6,0 Ohm/Km
<b>VELOCITY RATIO</b>	84%	<b>TENSION</b>	
		- SHEATH	5,5 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.