



FABBRICA CAVI - ANTENNE - ACCESSORI TV

# HF 214 UF-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>**

**CU** 19 x 0,28 mm    **PEG** ø 3,90 mm    **LTA** ø 4,00 mm    **CS** ø 4,40 mm    **LSZH** ø 5,40 mm



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

## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	PLAIN COPPER	19 x 0,28 mm
<b>B</b>	<b>DIELECTRIC</b>	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	ø 3,90 ± 0,10 mm
<b>C</b>	<b>SHIELD</b>	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	h. 15 mm
	- COVERAGE		100%
<b>D</b>	<b>BRAID</b>	TINNED COPPER	128 x 0,10 mm
	- COVERAGE		77%
<b>E</b>	<b>SHEATH</b>	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	ø 5,40 ± 0,20 mm
	- COLOUR	<b>BLACK - RAL 9004</b>	
	- PRINTING	<b>## METER ##</b> HF 214 UF - ZH HIGH PERFORMANCE LOW LOSS FLEX LSZH 50 OHM 19x0,28 / 3,80 / 5,40 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 20,3
- PLASTIC 16,2
- TOTAL 37,9

## ELECTRICAL PROPERTIES at 20°C

IMPEDANCE @ 200 MHz 50 ± 3 Ohm

CAPACITANCE 80 pF/m

VELOCITY RATIO 84%

### RESISTANCE

- INNER CONDUCT. 15,5 Ohm/Km
- BRAID 16,2 Ohm/Km

### TENSION

- SHEATH SPARK TESTING 2,5 kV

### ATTENUATIONS dB/100 m.

		<b>dB</b>	<b>W</b>
5	MHz	2,3	3253
10	MHz	3,2	2300
30	MHz	5,0	1328
50	MHz	6,7	1029
150	MHz	10,9	594
220	MHz	13,6	490

### MAX. POWER RATING W

		<b>dB</b>	<b>W</b>
450	MHz	20,0	343
600	MHz	23,1	297
800	MHz	26,5	257
900	MHz	28,9	242
1000	MHz	30,5	230
1500	MHz	37,6	188

		<b>dB</b>	<b>W</b>
1800	MHz	41,6	171
2000	MHz	44,7	163
2500	MHz	50,4	145
3000	MHz	55,1	133
5200	MHz	77,6	101
5800	MHz	81,8	96

### STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>22	2000 ÷ 3000	MHz	>17
450 ÷ 1000	MHz	>21	3000 ÷ 4000	MHz	>16
1000 ÷ 2000	MHz	>18	4000 ÷ 5800	MHz	>15

### SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>95
900 ÷ 2000	MHz	>90
2000 ÷ 3000	MHz	>80

The producer reserves himself to make modification on the item without any notice.