



FABBRICA CAVI - ANTENNE - ACCESSORI TV

# HF 214 UF-PVC

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

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

<b>CU</b>	<b>PEG</b>	<b>LTA</b>	<b>CS</b>	<b>PVC2</b>
19 x 0,28 mm	ø 3,80 mm	ø 3,90 mm	ø 4,30 mm	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 3,80 ± 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>	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 5,40 ± 0,20 mm
	- COLOUR	<b>BLACK - RAL 9004</b>	
	- PRINTING	<b>## METER ##</b> HF 214 UF - PVC HIGH PERFORMANCE LOW LOSS FLEXIBLE CABLE 50 OHM	
		19x0,28 / 3,80 / 5,40 MADE IN ITALY CE 61 SETT/ANNO 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	20,3
- PLASTIC	16,6
- TOTAL	38,3

## 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
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### ATTENUATIONS dB/100 m.

		dB	W
5	MHz	2,5	3253
10	MHz	3,3	2300
30	MHz	5,4	1328
50	MHz	6,9	1029
150	MHz	11,3	594
220	MHz	13,7	490

### MAX. POWER RATING W

		dB	W
450	MHz	20,0	343
600	MHz	23,3	297
800	MHz	27,3	257
900	MHz	28,9	242
1000	MHz	30,8	230
1500	MHz	38,5	188

		dB	W
1800	MHz	42,6	171
2000	MHz	45,4	163
2500	MHz	50,5	145
3000	MHz	55,5	133
5200	MHz	74,9	101
5800	MHz	79,5	96

### STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>28	2000 ÷ 3000	MHz	>19
450 ÷ 1000	MHz	>25	3000 ÷ 4000	MHz	>19
1000 ÷ 2000	MHz	>22	4000 ÷ 5800	MHz	>10

### SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>90
900 ÷ 2000	MHz	>80
2000 ÷ 3000	MHz	>70

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