



FABBRICA CAVI - ANTENNE - ACCESSORI TV

HF 214 UF-PE

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

Class CPR **F_{ca}**

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



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

MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	19 x 0,28 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	ø 3,90 ± 0,10 mm
C	SHIELD	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	h. 15 mm
		- COVERAGE	100%
D	BRAID	TINNED COPPER	128 x 0,10 mm
		- COVERAGE	77%
E	SHEATH	CARBON BLACK POLYETHYLENE	ø 5,40 ± 0,20 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING	## METER ## HF 214 UF - PE HIGH PERFORMANCE LOW LOSS FLEXIBLE CABLE 50 OHM	
		19x0,28 / 3,80 / 5,40 MADE IN ITALY CE 61 SETT/ANNO	

MINIMUM BENDING RADIUS (mm)

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

TEMPERATURE RANGE -40 °C / +75 °C

CABLE WEIGHT (Kg/Km)

- **COPPER** 20,3
- **PLASTIC** 11,7
- **TOTAL** 33,4

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** 4,0 kV

ATTENUATIONS dB/100 m.

		dB	W
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

		dB	W
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

		dB	W
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.