



FABBRICA CAVI - ANTENNE - ACCESSORI TV



HF 240 PVC

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

Class CPR **E_{ca}**

CU PEG LAS CS PVC2
ø 1,40 mm ø 3,80 mm ø 3,90 mm ø 4,30 mm ø 6,10 mm



A B C D E

MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	ø 1,40 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	ø 3,80 ± 0,10 mm
C	SHIELD	ALL + PET + ALL ADHESIVE TAPE	h. 15 mm
		- COVERAGE	100%
D	BRAID	TINNED COPPER	128 x 0,10 mm
		- COVERAGE	77%
E	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 6,10 ± 0,10 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING	## METER ## HF 240 PVC HIGH PERFORMANCE LOW LOSS CABLE 50 OHM	
		1,40 / 3,80 / 6,10 MADE IN ITALY CE 58 WEEK/YEAR 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 23,3
- PLASTIC 26,0
- TOTAL 51,1

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE @ 200 MHz 50 ± 1,5 Ohm

CAPACITANCE 80 pF/m

VELOCITY RATIO 84%

RESISTANCE

- INNER CONDUCT. 11,5 Ohm/Km
- BRAID 16,2 Ohm/Km

TENSION

- SHEATH SPARK TESTING 4,5 kV

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	1,9	3536
10	MHz	2,8	2500
30	MHz	4,2	1443
50	MHz	5,7	1118
150	MHz	9,2	645
220	MHz	11,7	533
450	MHz	17,1	373

MAX. POWER RATING W

		dB	W
600	MHz	19,8	323
800	MHz	22,7	280
900	MHz	24,6	264
1000	MHz	26,0	250
1500	MHz	32,2	204
1800	MHz	35,4	186
2000	MHz	37,6	177

		dB	W
2500	MHz	42,7	158
3000	MHz	47,2	144
5200	MHz	65,0	110
5800	MHz	68,5	104
6000	MHz	70,3	102
8000	MHz	84,2	88
10000	MHz	95,3	79

STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>27	3000 ÷ 4000	MHz	>21
450 ÷ 1000	MHz	>26	4000 ÷ 5800	MHz	>20
1000 ÷ 2000	MHz	>23	5800 ÷ 8000	MHz	>19
2000 ÷ 3000	MHz	>22	8000 ÷ 10000	MHz	>18

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.