



FABBRICA CAVI - ANTENNE - ACCESSORI TV

HF 240 PE

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

Class CPR **F_{ca}**

CU **PEG** **LAS** **CS** **PE**
 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 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	CARBON BLACK POLYETHYLENE	.....	ø 6,10 ± 0,10 mm
	- COLOUR	BLACK - RAL 9004		
	- PRINTING	## METER ## HF 240 PE HIGH PERFORMANCE LOW LOSS CABLE 50 OHM		
		1,40 / 3,80 / 6,10 MADE IN ITALY CE 58 WEEK/YEAR		

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** 23,3
- **PLASTIC** 18,1
- **TOTAL** 43,2

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE @ 200 MHz	50 ± 1,5 Ohm	RESISTANCE	
		- INNER CONDUCT.	11,5 Ohm/Km
CAPACITANCE	80 pF/m	- BRAID	16,2 Ohm/Km
VELOCITY RATIO	84%	TENSION	
		- SHEATH	6,5 kV
		- SPARK TESTING	

ATTENUATIONS dB/100 m.

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

MAX. POWER RATING W

		dB	W
450	MHz	16,2	373
600	MHz	18,7	323
800	MHz	21,9	280
900	MHz	22,9	264
1000	MHz	24,5	250
1500	MHz	30,8	204

		dB	W
1800	MHz	34,1	186
2000	MHz	36,7	177
2500	MHz	40,9	158
3000	MHz	45,5	144
5200	MHz	63,4	110
5800	MHz	67,6	104

STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>32	2000 ÷ 3000	MHz	>23
450 ÷ 1000	MHz	>29	3000 ÷ 4000	MHz	>23
1000 ÷ 2000	MHz	>26	4000 ÷ 5800	MHz	>14

SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>95
900 ÷ 2000	MHz	>85
2000 ÷ 3000	MHz	>75

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