



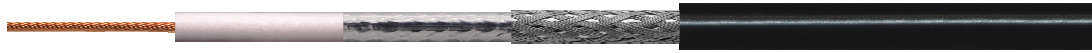
FABBRICA CAVI - ANTENNE - ACCESSORI TV

HF 240 FX-PE

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

Class CPR **F_{ca}**

CU **PEG** **LTA** **CS** **PE**
7 x 0,47 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	.....	7 x 0,47 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	.....	ø 3,80 ± 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 6,10 ± 0,10 mm
	- COLOUR	BLACK - RAL 9004		
	- PRINTING	## METER ## HF 240 FX - PE	HIGH PERFORMANCE LOW LOSS FLEXIBLE CABLE	50 OHM
		7x0,47 / 3,80 / 6,10	MADE IN ITALY	CE 58 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** 20,4
- **PLASTIC** 18,1
- **TOTAL** 39,9

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE @ 200 MHz **50 ± 2 Ohm**

CAPACITANCE 80 pF/m

VELOCITY RATIO 84%

RESISTANCE

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

TENSION

- **SHEATH** 4,5 kV
- **SPARK TESTING**

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	2,3	3253
10	MHz	3,1	2300
30	MHz	5,1	1328
50	MHz	6,5	1029
150	MHz	10,7	594
220	MHz	13,0	490

MAX. POWER RATING W

		dB	W
450	MHz	19,1	343
600	MHz	22,3	297
800	MHz	26,0	257
900	MHz	27,5	242
1000	MHz	29,3	230
1500	MHz	36,6	188

		dB	W
1800	MHz	40,5	171
2000	MHz	43,3	163
2500	MHz	48,2	145
3000	MHz	53,4	133
5200	MHz	74,4	101
5800	MHz	79,1	96

STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>30	2000 ÷ 3000	MHz	>21
450 ÷ 1000	MHz	>27	3000 ÷ 4000	MHz	>21
1000 ÷ 2000	MHz	>24	4000 ÷ 5800	MHz	>12

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.

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