



FABBRICA CAVI - ANTENNE - ACCESSORI TV

HF 240 FX-ZH

HIGH PERFORMANCE BROADBAND LOW LOSS 50 OHM COAXIAL
COMMUNICATION CABLE DESIGNED FOR USE IN WIRELESS APPLICATIONS
IN ACCORDANCE TO : IEC 60754-1 IEC 60754-2 IEC 61034-2

Class CPR **E_{ca}**

CU **PEG** **LTA** **CS** **LSZH**
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	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	ø 6,10 ± 0,10 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING	## METER ## HF 240 FX - ZH HIGH PERFORMANCE LOW LOSS FLEX LSZH 50 OHM 7x0,47 / 3,80 / 6,10 MADE IN ITALY CE 58 SETT/ANNO EN 50575:2014 + A1:2016 Eca	

MINIMUM BENDING RADIUS (mm)

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

TEMPERATURE RANGE -40 °C / +80 °C

CABLE WEIGHT (Kg/Km)

- COPPER 20,4
- PLASTIC 26,7
- TOTAL 48,5

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 SPARK TESTING 4,5 kV

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	1,9	3253
10	MHz	2,8	2300
30	MHz	4,5	1328
50	MHz	6,0	1029
150	MHz	9,6	594
220	MHz	12,2	490

MAX. POWER RATING W

		dB	W
450	MHz	18,0	343
600	MHz	20,9	297
800	MHz	23,9	257
900	MHz	25,9	242
1000	MHz	27,4	230
1500	MHz	33,9	188

		dB	W
1800	MHz	37,5	171
2000	MHz	40,0	163
2500	MHz	45,4	145
3000	MHz	50,0	133
5200	MHz	72,1	101
5800	MHz	76,2	96

STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>24	2000 ÷ 3000	MHz	>19
450 ÷ 1000	MHz	>23	3000 ÷ 4000	MHz	>18
1000 ÷ 2000	MHz	>20	4000 ÷ 5800	MHz	>17

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.