



FABBRICA CAVI - ANTENNE - ACCESSORI TV

# HF 195 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<sub>ca</sub>**

**CU**      **PEG**      **LTA**      **CS**      **LSZH**  
7 x 0,32 mm    ø 2,80 mm    ø 2,90 mm    ø 3,30 mm    ø 5,00 mm



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

## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	PLAIN COPPER	7 x 0,32 mm
<b>B</b>	<b>DIELECTRIC</b>	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	ø 2,80 ± 0,10 mm
<b>C</b>	<b>SHIELD</b>	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	h. 12 mm
	- COVERAGE		100%
<b>D</b>	<b>BRAID</b>	TINNED COPPER	144 x 0,10 mm
	- COVERAGE		94%
<b>E</b>	<b>SHEATH</b>	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	ø 5,00 ± 0,10 mm
	- COLOUR	<b>BLACK - RAL 9004</b>	
	- PRINTING	<b>## METER ##</b> HF 195 FX - ZH HIGH PERFORMANCE LOW LOSS FLEX LSZH 50 OHM 7x0,32 / 2,80 / 5,00 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 15,6
- PLASTIC 20,3
- TOTAL 36,9

## ELECTRICAL PROPERTIES at 20°C

IMPEDANCE @ 200 MHz 50 ± 2 Ohm

CAPACITANCE 86 pF/m

VELOCITY RATIO 77%

### RESISTANCE

- INNER CONDUCT. 32,0 Ohm/Km
- BRAID 11,9 Ohm/Km

### TENSION

- SHEATH SPARK TESTING 4,5 kV

### ATTENUATIONS dB/100 m.

		dB	W
5	MHz	3,0	1768
10	MHz	4,1	1250
30	MHz	6,8	722
50	MHz	8,8	559
150	MHz	14,1	323
220	MHz	17,1	267

### MAX. POWER RATING W

		dB	W
450	MHz	24,8	186
600	MHz	29,0	161
800	MHz	33,8	140
900	MHz	36,1	132
1000	MHz	38,4	125
1500	MHz	48,0	102

		dB	W
1800	MHz	53,0	93
2000	MHz	56,3	88
2500	MHz	63,1	80
3000	MHz	69,1	72
5200	MHz	97,4	55
5800	MHz	103,4	52

### STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>23	2000 ÷ 3000	MHz	>17
450 ÷ 1000	MHz	>21	3000 ÷ 4000	MHz	>14
1000 ÷ 2000	MHz	>20	4000 ÷ 5800	MHz	>11

### SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>90
900 ÷ 2000	MHz	>85
2000 ÷ 3000	MHz	>75

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