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_{ca}

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

A	**INNER CONDUCTOR**	PLAIN COPPER	**7 x 0,32 mm**
B	**DIELECTRIC**	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	**ø 2,80 ± 0,10 mm**
C	**SHIELD**	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	**h. 12 mm**
		- COVERAGE	**100%**
D	**BRAID**	TINNED COPPER	**144 x 0,10 mm**
		- COVERAGE	**94%**
E	**SHEATH**	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	**ø 5,00 ± 0,10 mm**
	- COLOUR	**BLACK - RAL 9004**	
	- PRINTING	**## METER ## 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	100 ÷ 900	MHz	>85
450 ÷ 1000	MHz	>21	3000 ÷ 4000	MHz	>14	900 ÷ 2000	MHz	>75
1000 ÷ 2000	MHz	>20	4000 ÷ 5800	MHz	>11	2000 ÷ 3000	MHz	>65

SCREENING EFFECTIVENESS dB

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

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