



FABBRICA CAVI - ANTENNE - ACCESSORI TV

HF 195 FX-PVC

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

Class CPR **E_{ca}**

CU **PEG** **LTA** **CS** **PVC2**
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	NON-CONTAMINATING POLYVINYL-CHLORIDE	.....	ø 5,00 ± 0,10 mm
	- COLOUR	BLACK - RAL 9004		
	- PRINTING	## METER ## HF 195 FX - PVC HIGH PERFORMANCE LOW LOSS FLEXIBLE CABLE 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 -30 °C / +70 °C

CABLE WEIGHT (Kg/Km)

- **COPPER** 15,6
- **PLASTIC** 19,7
- **TOTAL** 36,3

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** 4,0 kV
- **SPARK TESTING**

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	3,0	1768
10	MHz	4,2	1250
30	MHz	7,0	722
50	MHz	9,0	559
150	MHz	13,9	323
220	MHz	17,2	267

MAX. POWER RATING W

		dB	W
450	MHz	25,1	186
600	MHz	29,2	161
800	MHz	33,7	140
900	MHz	36,4	132
1000	MHz	38,7	125
1500	MHz	48,1	102

		dB	W
1800	MHz	52,9	93
2000	MHz	56,6	88
2500	MHz	64,2	80
3000	MHz	70,2	72
5200	MHz	98,7	55
5800	MHz	104,0	52

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

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