



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 7 x 0,32 mm PEG ø 2,80 mm LTA ø 2,90 mm CS ø 3,30 mm PVC2 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 SPARK TESTING** 4,0 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	>85
900 ÷ 2000	MHz	>75
2000 ÷ 3000	MHz	>65

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