



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<sub>ca</sub>**

<b>CU</b> 7 x 0,32 mm	<b>PEG</b> ø 2,80 mm	<b>LTA</b> ø 2,90 mm	<b>CS</b> ø 3,30 mm	<b>PVC2</b> ø 5,00 mm
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|| 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>	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 5,00 ± 0,10 mm
	- COLOUR	<b>BLACK - RAL 9004</b>	
	- PRINTING	<b>## METER ## HF 195 FX - PVC HIGH PERFORMANCE LOW LOSS FLEXIBLE CABLE 50 OHM</b>	
		<b>7x0,32 / 2,80 / 5,00 MADE IN ITALY CE 58 SETT/ANNO EN 50575:2014 + A1:2016 Eca</b>	

### MINIMUM BENDING RADIUS ( mm )

- SINGLE	ø EXTERNAL X 5
- REPEATED	ø EXTERNAL X 10
<b>TEMPERATURE RANGE</b>	-30 °C / +70 °C

### CABLE WEIGHT ( Kg/Km )

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

## ELECTRICAL PROPERTIES at 20°C

<b>IMPEDANCE @ 200 MHz</b>	50 ± 2 Ohm	<b>RESISTANCE</b>	
		- INNER CONDUCT.	32,0 Ohm/Km
<b>CAPACITANCE</b>	86 pF/m	- BRAID	11,9 Ohm/Km
<b>VELOCITY RATIO</b>	77%	<b>TENSION</b>	
		- SHEATH	4,0 kV
		<b>SPARK TESTING</b>	

### ATTENUATIONS dB/100 m.

		<b>dB</b>	<b>W</b>
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

		<b>dB</b>	<b>W</b>
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

		<b>dB</b>	<b>W</b>
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.

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