



FABBRICA CAVI - ANTENNE - ACCESSORI TV



HF 195 PVC

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

Class CPR **E_{ca}**

CU **PEG** **LAS** **CS** **PVC2**
 ø 0,95 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	.....	ø 0,95 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	.....	ø 2,80 ± 0,10 mm
C	SHIELD	ALL + PET + ALL ADHESIVE 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 PVC HIGH PERFORMANCE LOW LOSS CABLE 50 OHM		
		0,95 / 2,80 / 5,00 MADE IN ITALY CE 58 WEEK/YEAR 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** 16,9
- **PLASTIC** 19,6
- **TOTAL** 38,0

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE @ 200 MHz	50 ± 1,5 Ohm	RESISTANCE	
		- INNER CONDUCT.	25,2 Ohm/Km
CAPACITANCE	86 pF/m	- BRAID	11,9 Ohm/Km
VELOCITY RATIO	77%	TENSION	
		- SHEATH	4,0 kV
		- SPARK TESTING	

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	2,9	1980
10	MHz	3,9	1400
30	MHz	6,3	808
50	MHz	8,1	626
150	MHz	13,0	361
220	MHz	15,8	298

MAX. POWER RATING W

		dB	W
450	MHz	23,0	209
600	MHz	26,9	181
800	MHz	31,3	157
900	MHz	33,3	148
1000	MHz	35,5	140
1500	MHz	44,3	114

		dB	W
1800	MHz	48,9	104
2000	MHz	52,0	99
2500	MHz	58,3	89
3000	MHz	64,1	81
5200	MHz	87,9	61
5800	MHz	93,4	58

STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>25	2000 ÷ 3000	MHz	>19
450 ÷ 1000	MHz	>23	3000 ÷ 4000	MHz	>16
1000 ÷ 2000	MHz	>22	4000 ÷ 5800	MHz	>13

SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>90
900 ÷ 2000	MHz	>80
2000 ÷ 3000	MHz	>70

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