



FABBRICA CAVI - ANTENNE - ACCESSORI TV

HF 195 PE

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

Class CPR **F_{ca}**

CU **PEG** **LAS** **CS** **PE**
 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	CARBON BLACK POLYETHYLENE	.....	ø 5,00 ± 0,10 mm
	- COLOUR	BLACK - RAL 9004		
	- PRINTING	## METER ## HF 195 PE HIGH PERFORMANCE LOW LOSS CABLE 50 OHM		
		0,95 / 2,80 / 5,00 MADE IN ITALY CE 58 WEEK/YEAR		

MINIMUM BENDING RADIUS (mm)

- **SINGLE** ø EXTERNAL X 5
- **REPEATED** ø EXTERNAL X 10

TEMPERATURE RANGE -40 °C / +75 °C

CABLE WEIGHT (Kg/Km)

- **COPPER** 16,9
- **PLASTIC** 13,7
- **TOTAL** 32,1

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE @ 200 MHz 50 ± 1,5 Ohm

CAPACITANCE 86 pF/m

VELOCITY RATIO 77%

RESISTANCE

- **INNER CONDUCT.** 25,2 Ohm/Km
- **BRAID** 11,9 Ohm/Km

TENSION

- **SHEATH SPARK TESTING** 6,0 kV

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	2,8	1980
10	MHz	3,9	1400
30	MHz	6,0	808
50	MHz	8,0	626
150	MHz	12,7	361
220	MHz	15,7	298

MAX. POWER RATING W

		dB	W
450	MHz	23,1	209
600	MHz	26,7	181
800	MHz	30,7	157
900	MHz	33,4	151
1000	MHz	35,3	140
1500	MHz	43,8	114

		dB	W
1800	MHz	48,0	104
2000	MHz	51,5	99
2500	MHz	57,9	89
3000	MHz	62,6	81
5200	MHz	88,4	61
5800	MHz	92,8	58

STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>26	2000 ÷ 3000	MHz	>21
450 ÷ 1000	MHz	>25	3000 ÷ 4000	MHz	>20
1000 ÷ 2000	MHz	>22	4000 ÷ 5800	MHz	>19

SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>95
900 ÷ 2000	MHz	>90
2000 ÷ 3000	MHz	>80

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