



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	
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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	84 pF/m	- BRAID	11,9 Ohm/Km
VELOCITY RATIO	80%	TENSION	
		- SHEATH	4,0 kV
		- SPARK TESTING	

ATTENUATIONS dB/100 m.

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

MAX. POWER RATING W

		dB	W
400	MHz	20,8	221
600	MHz	26,0	181
800	MHz	30,3	157
900	MHz	32,2	148
1000	MHz	34,4	140
1500	MHz	43,1	114

		dB	W
1800	MHz	47,6	104
2000	MHz	50,6	99
2500	MHz	56,7	89
3000	MHz	62,4	81
5200	MHz	85,9	61
5800	MHz	91,4	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.