



FABBRICA CAVI - ANTENNE - ACCESSORI TV



HF 195 ZH

HIGH PERFORMANCE BROADBAND LOW LOSS 50 OHM COAXIAL
COMMUNICATION CABLE DESIGNED FOR USE IN WIRELESS APPLICATIONS
IN ACCORDANCE TO : IEC 60754-1 IEC 60754-2 IEC 61034-2

Class CPR **E_{ca}**

CU **PEG** **LAS** **CS** **LSZH**
 \varnothing 0,95 mm \varnothing 2,80 mm \varnothing 2,90 mm \varnothing 3,30 mm \varnothing 5,00 mm



|| A || B || C || D || E ||

MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	.....	\varnothing 0,95 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	.....	\varnothing 2,80 \pm 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	FLAME RETARDANT NON-CORROSIVE	.....	\varnothing 5,00 \pm 0,10 mm
		THERMOPLASTIC FREE OF HALOGENS	.....
	- COLOUR	BLACK - RAL 9004	.....
	- PRINTING	## METER ## HF 195 ZH HIGH PERFORMANCE LOW LOSS CABLE LSZH 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 \varnothing EXTERNAL X 5
- REPEATED \varnothing EXTERNAL X 10

TEMPERATURE RANGE -30 °C / +70 °C

CABLE WEIGHT (Kg/Km)

- COPPER 16,9
- PLASTIC 20,2
- TOTAL 38,6

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE @ 200 MHz	50 \pm 1,5 Ohm	RESISTANCE	
		- INNER CONDUCT.	25,2 Ohm/Km
CAPACITANCE	84 pF/m	- BRAID	11,9 Ohm/Km
VELOCITY RATIO	80%	TENSION	
		- SHEATH	4,5 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
450	MHz	22,2	209
600	MHz	26,0	181
800	MHz	30,3	157
900	MHz	32,2	151
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.