



FABBRICA CAVI - ANTENNE - ACCESSORI TV

HF 200 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**
 ø 1,13 mm ø 2,95 mm ø 3,05 mm ø 3,30 mm ø 5,00 mm



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

MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	.....	ø 1,13 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	.....	ø 2,95 ± 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	.....		92%
E	SHEATH	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	.....	ø 5,00 ± 0,10 mm
	- COLOUR	BLACK - RAL 9004		
	- PRINTING	## METER ## HF 200 ZH HIGH PERFORMANCE LOW LOSS CABLE LSZH 50 OHM 1,13 / 2,95 / 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 -40 °C / +80 °C

CABLE WEIGHT (Kg/Km)

- **COPPER** 19,6
- **PLASTIC** 18,7
- **TOTAL** 39,8

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE @ 200 MHz	50 ± 1,5 Ohm	RESISTANCE	
		- INNER CONDUCT.	17,2 Ohm/Km
CAPACITANCE	80 pF/m	- BRAID	12,4 Ohm/Km
VELOCITY RATIO	82%	TENSION	
		- SHEATH	4,0 kV
		- SPARK TESTING	

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	2,6	2263
10	MHz	3,6	1600
30	MHz	5,6	924
50	MHz	7,5	716
150	MHz	12,0	413
220	MHz	14,8	341

MAX. POWER RATING W

		dB	W
450	MHz	21,7	239
600	MHz	25,1	207
800	MHz	28,9	179
900	MHz	31,4	169
1000	MHz	33,3	160
1500	MHz	40,9	131

		dB	W
1800	MHz	45,0	119
2000	MHz	48,1	113
2500	MHz	53,9	101
3000	MHz	58,6	92
5200	MHz	81,1	70
5800	MHz	85,3	66

STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>29	2000 ÷ 3000	MHz	>24
450 ÷ 1000	MHz	>28	3000 ÷ 4000	MHz	>23
1000 ÷ 2000	MHz	>25	4000 ÷ 5800	MHz	>22

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.