



FABBRICA CAVI - ANTENNE - ACCESSORI TV

HF 300 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 1,78 mm ø 4,85 mm ø 4,95 mm ø 5,45 mm ø 7,60 mm



MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	.....	ø 1,78 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	.....	ø 4,85 ± 0,10 mm
C	SHIELD	ALL + PET + ALL ADHESIVE TAPE	.....	h. 18 mm
		- COVERAGE	.....	100%
D	BRAID	TINNED COPPER	.....	144 x 0,12 mm
		- COVERAGE	.....	82%
E	SHEATH	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	.....	ø 7,60 ± 0,10 mm
	- COLOUR	BLACK - RAL 9004		
	- PRINTING	## METER ## HF 300 ZH HIGH PERFORMANCE LOW LOSS CABLE LSZH 50 OHM 1,78 / 4,85 / 7,60 MADE IN ITALY CE 58 SETT/ANNO EN 50575:2014 + A1:2016 Eca		

MINIMUM BENDING RADIUS (mm)

- SINGLE ø ESTERNO X 5
- REPEATED ø ESTERNO X 10

TEMPERATURE RANGE -40 °C / +80 °C

CABLE WEIGHT (Kg/Km)

- COPPER 38,5
- PLASTIC 40,3
- TOTAL 81,0

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE @ 200 MHz	50 ± 1,5 Ohm	RESISTANCE	
		- INNER CONDUCT.	7,0 Ohm/Km
CAPACITANCE	80 pF/m	- BRAID	11,2 Ohm/Km
VELOCITY RATIO	84%	TENSION	
		- SHEATH	5,5 kV
		- SPARK TESTING	

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	1,3	5020
10	MHz	1,9	3550
30	MHz	3,0	2050
50	MHz	4,1	1588
150	MHz	6,9	917
220	MHz	8,9	757
450	MHz	13,0	529

MAX. POWER RATING W

		dB	W
600	MHz	15,1	458
800	MHz	17,4	397
900	MHz	18,8	374
1000	MHz	20,0	355
1500	MHz	24,8	290
1800	MHz	27,2	265
2000	MHz	28,9	251

		dB	W
2500	MHz	33,0	225
3000	MHz	36,5	205
5200	MHz	50,9	156
5800	MHz	54,0	147
6000	MHz	55,2	144
8000	MHz	65,5	126
10000	MHz	75,3	112

STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>26	3000 ÷ 4000	MHz	>20
450 ÷ 1000	MHz	>25	4000 ÷ 5800	MHz	>19
1000 ÷ 2000	MHz	>22	5800 ÷ 8000	MHz	>18
2000 ÷ 3000	MHz	>21	8000 ÷ 10000	MHz	>17

SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>100
900 ÷ 2000	MHz	>95
2000 ÷ 3000	MHz	>85

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