



FABBRICA CAVI - ANTENNE - ACCESSORI TV



HF 240 SHF1

DOUBLE SCREENED 50 OHM RF COAXIAL CABLE

IN ACCORDANCE TO : IEC 60092-359 IEC 60332-1-2 IEC 60332-3-22/24

IEC 60754-1 IEC 60754-2 IEC 60811-3-1 IEC 61034-2



CU PEG LAS CS LSZH
 ø 1,40 mm ø 3,80 mm ø 3,90 mm ø 4,30 mm ø 6,10 mm



MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	ø 1,40 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	ø 3,80 ± 0,10 mm
C	SHIELD	ALL + PET + ALL ADHESIVE TAPE	h. 15 mm
		- COVERAGE	100%
D	BRAID	TINNED COPPER	128 x 0,10 mm
		- COVERAGE	77%
E	SHEATH	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	ø 6,10 ± 0,10 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING		

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 23,3
- PLASTIC 26,7
- TOTAL 51,8

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE @ 200 MHz 50 ± 1,5 Ohm

CAPACITANCE 80 pF/m

VELOCITY RATIO 84%

RESISTANCE

- INNER CONDUCT. 11,5 Ohm/Km
- BRAID 16,2 Ohm/Km

TENSION

- SHEATH 4,5 kV
- SPARK TESTING

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	1,7	3536
10	MHz	2,5	2500
30	MHz	3,9	1443
50	MHz	5,3	1118
150	MHz	8,7	645
220	MHz	11,1	533
450	MHz	16,3	373

MAX. POWER RATING W

		dB	W
600	MHz	18,8	323
800	MHz	21,7	280
900	MHz	23,4	264
1000	MHz	24,8	250
1500	MHz	30,8	204
1800	MHz	33,8	186
2000	MHz	35,9	177

		dB	W
2500	MHz	40,9	158
3000	MHz	45,2	144
5200	MHz	61,4	110
5800	MHz	65,0	104
6000	MHz	66,5	102
8000	MHz	79,3	88
10000	MHz	90,4	79

STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>34	3000 ÷ 4000	MHz	>23
450 ÷ 1000	MHz	>32	4000 ÷ 5800	MHz	>18
1000 ÷ 2000	MHz	>29	5800 ÷ 8000	MHz	>16
2000 ÷ 3000	MHz	>24	8000 ÷ 10000	MHz	>15

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.

SI.VA S.R.L. Via Vittorio Veneto 63 24040 Bonate Sotto (Bergamo) Italia

Tel. 0039 035 991085 / 86

<http://www.sivacavi.it>

siva@sivacavi.it

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