



FABBRICA CAVI - ANTENNE - ACCESSORI TV



SAT 116905 SHF1

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



CCA PEG LAS CS LSZH
 $\varnothing$ 2,74 mm $\varnothing$ 11,60 mm $\varnothing$ 11,80 mm $\varnothing$ 12,40 mm $\varnothing$ 15,00 mm



A B C D E

MECHANICAL DATA

A	INNER CONDUCT.	PLAIN COPPER CLAD ALUMINIUM	$\varnothing$ 2,74 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	$\varnothing$ 11,60 $\pm$ 0,15 mm
C	SHIELD	ALL + PET + ALL ADHESIVE TAPE	h. 45 mm
		- COVERAGE	100%
D	BRAID	TINNED COPPER	288 x 0,15 mm
		- COVERAGE	90%
E	SHEATH	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS - SHF1	$\varnothing$ 15,00 $\pm$ 0,20 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING		

MINIMUM BENDING RADIUS (mm)

- SINGLE	$\varnothing$ EXTERNAL X 5
- REPEATED	$\varnothing$ EXTERNAL X 10

CABLE WEIGHT (Kg/Km)

- COPPER	56,4
- ALUMINIUM	20,0
- PLASTIC	120,8
- TOTAL	205,6

TEMPERATURE RANGE -40 °C / +80 °C

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 75 $\pm$ 3 Ohm

CAPACITANCE 53 pF/m

VELOCITY RATIO 84%

RESISTANCE

- INNER CONDUCT.	4,7 Ohm/Km
- BRAID	3,9 Ohm/Km

TENSION

- SHEATH	6,0 kV
- SPARK TESTING	

ATTENUATIONS dB/100 m.

5 MHz	0,5	470 MHz	5,7	1750 MHz	12,0
10 MHz	0,6	600 MHz	6,7	2150 MHz	13,7
50 MHz	1,9	862 MHz	8,2	2400 MHz	14,4
100 MHz	2,6	1000 MHz	8,8	2750 MHz	15,7
200 MHz	3,9	1350 MHz	10,6	3000 MHz	16,2
300 MHz	4,3	1500 MHz	10,9		

STRUCTURAL RETURN LOSS dB

30 ÷ 470 MHz	>27	3000 ÷ 4500 MHz	>15
470 ÷ 862 MHz	>22	4500 ÷ 6000 MHz	>11
862 ÷ 2150 MHz	>19	6000 ÷ 12000 MHz	-
2150 ÷ 3000 MHz	>16		

SCREENING EFFECTIVENESS dB EN 50117 STANDARD

5 ÷ 30 MHz	<5 mOhm/m
30 ÷ 1000 MHz	>95 dB
1000 ÷ 2000 MHz	>90 dB
2000 ÷ 3000 MHz	>80 dB

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

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