



FABBRICA CAVI - ANTENNE - ACCESSORI TV



SAT 51550

TERRESTRIAL AND SATELLITE RECEPTION

RECOMMENDED APPLICATION :

MEDIUM AND BIG INSTALLATIONS

Class CPR **E_{ca}**

CATEGORY

A
EN 50117

CU ø 1,15 mm	PEE ø 5,10 mm	LAS ø 5,20 mm	CS ø 5,60 mm	PVC2 ø 6,80 mm
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	A		B		C		D		E	
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MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	ø 1,15 mm
B	DIELECTRIC	FOAM POLYETHYLENE	ø 5,10 ± 0,10 mm
C	SHIELD	ALL + PET + ALL ADHESIVE TAPE	h. 18 mm
		- COVERAGE	100%
D	BRAID	TINNED COPPER	96 x 0,10 mm
		- COVERAGE	55%
E	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 6,80 ± 0,10 mm
	- COLOUR	WHITE - RAL 9003	
	- PRINTING	## METER ## SIVA SAT 51550 75 Ohm CLASSE A LTE READY	
		MADE IN ITALY CE 56 WEEK/YEAR EN 50575:2014 + A1:2016 Eca	

MINIMUM BENDING RADIUS (mm)

- SINGLE ø EXTERNAL X 5
- REPEATED ø EXTERNAL X 10

TEMPERATURE RANGE -30 °C / +70 °C

CABLE WEIGHT (Kg/Km)

- COPPER 16,8
- PLASTIC 25,9
- TOTAL 44,9

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 75 ± 3 Ohm

CAPACITANCE 53 pF/m

VELOCITY RATIO 84%

RESISTANCE

- INNER CONDUCT. 16,6 Ohm/Km
- BRAID 19 Ohm/Km

TENSION

- SHEATH SPARK TESTING 3,0 kV

ATTENUATIONS dB/100 m.

5 MHz 1,1	470 MHz 12,5	1500 MHz 24,3
10 MHz 1,6	600 MHz 14,5	1750 MHz 26,2
50 MHz 3,9	800 MHz 16,8	2150 MHz 29,5
100 MHz 5,6	862 MHz 17,4	2400 MHz 31,6
200 MHz 8,1	1000 MHz 19,1	2750 MHz 34,2
300 MHz 9,8	1350 MHz 22,6	3000 MHz 36,2

STRUCTURAL RETURN LOSS dB

30 ÷ 470	MHz	>33
470 ÷ 862	MHz	>31
862 ÷ 2150	MHz	>25
2150 ÷ 3000	MHz	>23

SCREENING EFFECTIVENESS dB EN 50117 STANDARD

TRANSFER IMPEDANCE	5 ÷ 30	MHz	<5	mOhm/m
	30 ÷ 1000	MHz	>90	dB
	1000 ÷ 2000	MHz	>80	dB
	2000 ÷ 3000	MHz	>70	dB

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