



FABBRICA CAVI - ANTENNE - ACCESSORI TV



SAT 43830

TERRESTRIAL AND SATELLITE RECEPTION

RECOMMENDED APPLICATION :

HIGH SCREENING EFFECTIVENESS INSTALLATIONS

Class CPR **E_{ca}**

CATEGORY

A+
EN 50117

CU PEE LAS CS PVC2
ø 1,00 mm ø 4,30 mm ø 4,40 mm ø 4,80 mm ø 6,00 mm



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

MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	.....	ø 1,00 mm
B	DIELECTRIC	FOAM POLYETHYLENE	.....	ø 4,30 ± 0,10 mm
C	SHIELD	ALL + PET + ALL ADHESIVE TAPE		h. 15 mm
		- COVERAGE	.....	100%
D	BRAID	TINNED COPPER	.....	160 x 0,10 mm
		- COVERAGE	.....	83%
E	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE		ø 6,00 ± 0,10 mm
	- COLOUR	WHITE - RAL 9003		
	- PRINTING	## METER ## SIVA SAT 43830 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 19,1
- PLASTIC 21,1
- TOTAL 42,0

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 75 ± 3 Ohm

CAPACITANCE 53 pF/m

VELOCITY RATIO 84%

RESISTANCE

- INNER CONDUCT. 22,5 Ohm/Km
- BRAID 13 Ohm/Km

TENSION

- SHEATH 3,0 kV
- SPARK TESTING

ATTENUATIONS dB/100 m.

5 MHz 1,6	470 MHz 14,2	1500 MHz 27,7
10 MHz 2,1	600 MHz 16,6	1750 MHz 29,8
50 MHz 4,5	800 MHz 19,0	2150 MHz 33,6
100 MHz 6,5	862 MHz 19,9	2400 MHz 36,1
200 MHz 9,2	1000 MHz 21,9	2750 MHz 39,2
300 MHz 11,2	1350 MHz 25,6	3000 MHz 41,5

STRUCTURAL RETURN LOSS dB

30 ÷ 470	MHz	>30
470 ÷ 862	MHz	>30
862 ÷ 2150	MHz	>24
2150 ÷ 3000	MHz	>23

SCREENING EFFECTIVENESS dB EN 50117 STANDARD

TRANSFER IMPEDANCE	5 ÷ 30	MHz	<2,5	mOhm/m
	30 ÷ 1000	MHz	>95	dB
	1000 ÷ 2000	MHz	>85	dB
	2000 ÷ 3000	MHz	>75	dB

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