



FABBRICA CAVI - ANTENNE - ACCESSORI TV

SAT 46836 TRS

BROADBAND DISTRIBUTION NETWORKS

RECOMMENDED APPLICATION :

HIGH SCREENING EFFECTIVENESS INSTALLATIONS

Class CPR **F_{ca}**

CATEGORY

A++

EN 50117

CU ø 1,00 mm	PEG ø 4,60 mm	LAS ø 4,70 mm	ALL ø 5,35 mm	LAS ø 5,45 mm	PVC2 ø 6,70 mm
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|| A || B || C || D || E || F ||

MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	ø 1,00 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	ø 4,60 ± 0,10 mm
C	SHIELD	ALL + PET + ALL ADHESIVE TAPE - COVERAGE	h. 18 mm 100%
D	BRAID	ALUMINIUM - COVERAGE	112 x 0,16 mm 83%
E	SHIELD	ALL + PET + ALL ADHESIVE TAPE - COVERAGE	h. 18 mm 100%
F	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 6,70 ± 0,10 mm
	- COLOUR	WHITE - RAL 9003	
	- PRINTING	## METER ## SIVA SAT 46836 TRS 75 Ohm CLASSE A++ LTE READY	
		MADE IN ITALY CE 57 WEEK/YEAR	

MINIMUM BENDING RADIUS (mm)

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

CABLE WEIGHT (Kg/Km)

- COPPER	7,0
- ALUMINIUM	6,5
PLASTIC	25,3
- TOTAL	43,2

TEMPERATURE RANGE -30 °C / +70 °C

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	75 ± 3 Ohm	RESISTANCE	
CAPACITANCE	53 pF/m	- INNER CONDUCT.	22,5 Ohm/Km
VELOCITY RATIO	84%	- BRAID	7,0 Ohm/Km
		TENSION	
		- SHEATH	3,5 kV
		- SPARK TESTING	

ATTENUATIONS dB/100 m.

5 MHz	1,5	470 MHz	13,5	1500 MHz	25,6
10 MHz	2,0	600 MHz	15,4	1750 MHz	27,4
50 MHz	4,2	800 MHz	17,9	2150 MHz	31,0
100 MHz	6,2	862 MHz	18,5	2400 MHz	33,1
200 MHz	8,7	1000 MHz	20,5	2750 MHz	36,1
300 MHz	10,4	1350 MHz	23,8	3000 MHz	38,2

STRUCTURAL RETURN LOSS dB

30 ÷ 470	MHz	>29
470 ÷ 862	MHz	>27
862 ÷ 2150	MHz	>24
2150 ÷ 3000	MHz	>21

SCREENING EFFECTIVENESS dB EN 50117 STANDARD

TRANSFER IMPEDANCE	5 ÷ 30	MHz	<0,9	mOhm/m
	30 ÷ 1000	MHz	>105	dB
	1000 ÷ 2000	MHz	>95	dB
	2000 ÷ 3000	MHz	>85	dB

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