



FABBRICA CAVI - ANTENNE - ACCESSORI TV

# SAT 48836 TRS

BROADBAND DISTRIBUTION NETWORKS

RECOMMENDED APPLICATION :

HIGH SCREENING EFFECTIVENESS INSTALLATIONS

Class CPR **F<sub>ca</sub>**

CATEGORY

**A++**

**EN 50117**

CU ø 1,13 mm	PEG ø 4,80 mm	LAS ø 4,90 mm	ALL ø 5,55 mm	LAS ø 5,65 mm	PVC2 ø 6,90 mm
-----------------	------------------	------------------	------------------	------------------	-------------------



## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	PLAIN COPPER	ø 1,13 mm
<b>B</b>	<b>DIELECTRIC</b>	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	ø 4,80 ± 0,10 mm
<b>C</b>	<b>SHIELD</b>	ALL + PET + ALL ADHESIVE TAPE - COVERAGE	h. 18 mm 100%
<b>D</b>	<b>BRAID</b>	ALUMINIUM - COVERAGE	112 x 0,16 mm 83%
<b>E</b>	<b>SHIELD</b>	ALL + PET + ALL ADHESIVE TAPE - COVERAGE	h. 18 mm 100%
<b>F</b>	<b>SHEATH</b>	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 6,90 ± 0,10 mm
	- COLOUR	<b>WHITE - RAL 9003</b>	
	- PRINTING	<b>## METER ## SIVA SAT 48836 TRS 75 Ohm CLASSE A++ LTE READY</b>	
		<b>MADE IN ITALY CE 57 WEEK/YEAR</b>	

### MINIMUM BENDING RADIUS ( mm )

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

### CABLE WEIGHT ( Kg/Km )

- COPPER	9,0
- ALUMINIUM	6,5
PLASTIC	26,3
- TOTAL	46,2

TEMPERATURE RANGE -30 °C / +70 °C

## ELECTRICAL PROPERTIES at 20°C

<b>IMPEDANCE</b>	75 ± 3 Ohm	<b>RESISTANCE</b>	
<b>CAPACITANCE</b>	53 pF/m	- INNER CONDUCT.	17,2 Ohm/Km
<b>VELOCITY RATIO</b>	84%	- BRAID	7,0 Ohm/Km
		<b>TENSION</b>	
		- SHEATH	3,5 kV
		- SPARK TESTING	

### ATTENUATIONS dB/100 m.

5 MHz	1,0	470 MHz	12,0	1500 MHz	23,5
10 MHz	1,5	600 MHz	13,9	1750 MHz	25,3
50 MHz	3,7	800 MHz	16,2	2150 MHz	28,5
100 MHz	5,4	862 MHz	16,7	2400 MHz	30,5
200 MHz	7,8	1000 MHz	18,4	2750 MHz	33,0
300 MHz	9,4	1350 MHz	21,8	3000 MHz	35,0

### STRUCTURAL RETURN LOSS dB

30 ÷ 470	MHz	>31
470 ÷ 862	MHz	>30
862 ÷ 2150	MHz	>27
2150 ÷ 3000	MHz	>25

### SCREENING EFFECTIVENESS dB EN 50117 STANDARD

<b>TRANSFER IMPEDANCE</b>	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.