



FABBRICA CAVI - ANTENNE - ACCESSORI TV



# SAT 48780

TERRESTRIAL AND SATELLITE RECEPTION  
RECOMMENDED APPLICATION :

HIGH SCREENING EFFECTIVENESS INSTALLATIONS

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

CATEGORY

**A+**  
**EN 50117**

<b>CU</b> ø 1,13 mm	<b>PEE</b> ø 4,85 mm	<b>LAS</b> ø 4,95 mm	<b>CS</b> ø 5,35 mm	<b>PVC2</b> ø 6,60
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	<b>A</b>		<b>B</b>		<b>C</b>		<b>D</b>		<b>E</b>	
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## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	PLAIN COPPER	ø 1,13 mm
<b>B</b>	<b>DIELECTRIC</b>	FOAM POLYETHYLENE	ø 4,85 ± 0,10 mm
<b>C</b>	<b>SHIELD</b>	ALL + PET + ALL ADHESIVE TAPE	h. 18 mm
	- COVERAGE		100%
<b>D</b>	<b>BRAID</b>	TINNED COPPER	160 x 0,10 mm
	- COVERAGE		78%
<b>E</b>	<b>SHEATH</b>	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 6,60 ± 0,10 mm
	- COLOUR	<b>WHITE - RAL 9003</b>	
	- PRINTING	<b>## METER ## SIVA SAT 48780 75 Ohm CLASSE A+ LTE READY MADE IN ITALY CE</b>	

### 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** 21,3
- **PLASTIC** 25,0
- **TOTAL** 48,5

## ELECTRICAL PROPERTIES at 20°C

<b>IMPEDANCE</b>	75 ± 3 Ohm	<b>RESISTANCE</b>	
		- <b>INNER CONDUCT.</b>	17,2 Ohm/Km
<b>CAPACITANCE</b>	53 pF/m	- <b>BRAID</b>	14 Ohm/Km
<b>VELOCITY RATIO</b>	84%	<b>TENSION</b>	
		- <b>SHEATH</b>	3,0 kV
		- <b>SPARK TESTING</b>	

### ATTENUATIONS dB/100 m.

5 MHz	1,5	470 MHz	13,2	1500 MHz	25,6
10 MHz	2,0	600 MHz	15,4	1750 MHz	27,6
50 MHz	4,3	800 MHz	17,7	2150 MHz	31,0
100 MHz	6,1	862 MHz	18,5	2400 MHz	33,1
200 MHz	8,7	1000 MHz	20,2	2750 MHz	35,9
300 MHz	10,5	1350 MHz	23,8	3000 MHz	38,0

### STRUCTURAL RETURN LOSS dB

30 ÷ 470	MHz	>31
470 ÷ 862	MHz	>30
862 ÷ 2150	MHz	>27
2150 ÷ 3000	MHz	>24

### SCREENING EFFECTIVENESS dB EN 50117 STANDARD

<b>TRANSFER IMPEDANCE</b>	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.