



FABBRICA CAVI - ANTENNE - ACCESSORI TV



# SAT 35500 GAS

TERRESTRIAL AND SATELLITE RECEPTION  
RECOMMENDED APPLICATION : CROWDED CABLE DUCTS

CATEGORY

**B**  
EN 50117

CU                      PEG                      LTA                      CS                      PVC2  
ø 0,80 mm      ø 3,50 mm      ø 3,60 mm      ø 4,00 mm      ø 5,30 mm



## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	PLAIN COPPER .....	ø 0,80 mm
<b>B</b>	<b>DIELECTRIC</b>	GAS INJECTED FOAM POLYETHYLENE	ø 3,50 ± 0,10 mm
<b>C</b>	<b>SHIELD</b>	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	h. 12 mm
	- COVERAGE	.....	100%
<b>D</b>	<b>BRAID</b>	TINNED COPPER .....	64 x 0,10 mm
	- COVERAGE	.....	48%
<b>E</b>	<b>SHEATH</b>	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 5,30 ± 0,10 mm
	- COLOUR	<b>WHITE - RAL 9003</b>	
	- PRINTING	<b>## METER ## SIVA SAT 35500 GAS 75 Ohm MADE IN ITALY CE</b>	

### MINIMUM BENDING RADIUS ( mm )

- SINGLE	ø EXTERNAL X 5
- REPEATED	ø EXTERNAL X 10
<b>TEMPERATURE RANGE</b>	-30 °C / +70 °C

### CABLE WEIGHT ( Kg/Km )

- COPPER	9,2
- PLASTIC	17,7
- TOTAL	27,9

## ELECTRICAL PROPERTIES at 20°C

**IMPEDANCE**                      75 ± 3 Ohm

**CAPACITANCE**                      53 pF/m

**VELOCITY RATIO**                      84%

### RESISTANCE

- INNER CONDUCT.	35 Ohm/Km
- BRAID	29 Ohm/Km

### TENSION

- SHEATH	3,0 kV
- SPARK TESTING	

### ATTENUATIONS dB/100 m.

5 MHz	1,8	470 MHz	17,2	1500 MHz	32,9
10 MHz	2,4	600 MHz	19,9	1750 MHz	35,4
50 MHz	5,7	800 MHz	22,8	2150 MHz	39,8
100 MHz	8,0	862 MHz	23,9	2400 MHz	42,5
200 MHz	11,1	1000 MHz	26,2	2750 MHz	45,8
300 MHz	13,6	1350 MHz	30,7	3000 MHz	48,2

### STRUCTURAL RETURN LOSS dB

30 ÷ 470	MHz	>32
470 ÷ 862	MHz	>29
862 ÷ 2150	MHz	>26
2150 ÷ 3000	MHz	>21

### SCREENING EFFECTIVENESS dB EN 50117 STANDARD

<b>TRANSFER IMPEDANCE</b>	5 ÷ 30	MHz	<15	mOhm/m
	30 ÷ 1000	MHz	>80	dB
	1000 ÷ 2000	MHz	>70	dB
	2000 ÷ 3000	MHz	>60	dB

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