



FABBRICA CAVI - ANTENNE - ACCESSORI TV



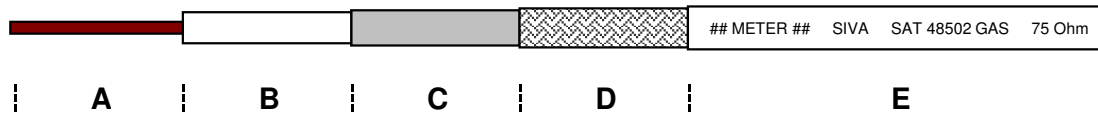
SAT 48502 GAS

TERRESTRIAL AND SATELLITE RECEPTION
RECOMMENDED APPLICATION : MEDIUM AND BIG INSTALLATIONS

CATEGORY

B
EN 50117

CU PEG LTA CS PVC2
ø 1,13 mm ø 4,80 mm ø 4,90 mm ø 5,35 mm ø 6,60 mm



MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	ø 1,13 mm
B	DIELECTRIC	GAS INJECTED FOAM POLYETHYLENE	ø 4,80 ± 0,10 mm
C	SHIELD	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	h. 18 mm
		- COVERAGE	100%
D	BRAID	TINNED COPPER	64 x 0,12 mm
		- COVERAGE	45%
E	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 6,60 ± 0,10 mm
	- COLOUR	WHITE - RAL 9003	
	- PRINTING	## METER ## SIVA SAT 48502 GAS 75 Ohm MADE IN ITALY CE	

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	16,1
- PLASTIC	23,6
- TOTAL	41,4

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 75 ± 3 Ohm

CAPACITANCE 53 pF/m

VELOCITY RATIO 84%

RESISTANCE

- INNER CONDUCT.	17,2 Ohm/Km
- BRAID	20 Ohm/Km

TENSION

- SHEATH	3,0 kV
- SPARK TESTING	

ATTENUATIONS dB/100 m.

5 MHz	1,1	470 MHz	12,5	1500 MHz	24,3
10 MHz	1,6	600 MHz	14,5	1750 MHz	26,2
50 MHz	3,9	800 MHz	16,8	2150 MHz	29,5
100 MHz	5,6	862 MHz	17,4	2400 MHz	31,6
200 MHz	8,1	1000 MHz	19,1	2750 MHz	34,2
300 MHz	9,8	1350 MHz	22,6	3000 MHz	36,2

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

TRANSFER IMPEDANCE	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.