



FABBRICA CAVI - ANTENNE - ACCESSORI TV

SAT 48436

SATELLITE AND DIGITAL DROP CABLE

RECOMMENDED APPLICATION :
MEDIUM AND BIG INSTALLATIONS

Class CPR **E_{ca}**

CATEGORY

B
EN 50117

CU ø 1,13 mm	PEG ø 4,80 mm	LTA ø 4,90 mm	ALL ø 5,55 mm	PVC2 ø 6,90 mm
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|| A || B || C || D || E ||

MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	ø 1,13 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	ø 4,80 ± 0,10 mm
C	SHIELD	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	h. 18 mm
	- COVERAGE		100%
D	BRAID	ALUMINIUM	48 x 0,16 mm
	- COVERAGE		43%
E	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 6,90 ± 0,10 mm
	- COLOUR	WHITE - RAL 9003	
	- PRINTING	## METER ## SIVA SAT 48436 75 Ohm	
		MADE IN ITALY CE 57 WEEK/YEAR EN 50575:2014 + A1:2016 Eca	

MINIMUM BENDING RADIUS (mm)

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

CABLE WEIGHT (Kg/Km)

- COPPER	9,0
- ALUMINIUM	2,8
- PLASTIC	26,3
- TOTAL	39,8

TEMPERATURE RANGE -30 °C / +70 °C

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 75 ± 3 Ohm

CAPACITANCE 53 pF/m

VELOCITY RATIO 84%

RESISTANCE

- INNER CONDUCT.	17,2 Ohm/Km
- BRAID	23,0 Ohm/Km

TENSION

- 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

TRANSFER IMPEDANCE	5 ÷ 30	MHz	<23	mOhm/m
	30 ÷ 1000	MHz	>80	dB
	1000 ÷ 2000	MHz	>80	dB
	2000 ÷ 3000	MHz	>65	dB

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