



FABBRICA CAVI - ANTENNE - ACCESSORI TV



SAT 37500

SATELLITE AND DIGITAL DROP CABLE

RECOMMENDED APPLICATION :

CROWDED CABLE DUCTS

Class CPR **E_{ca}**

CATEGORY

B

EN 50117

CU ø 0,80 mm	PEE ø 3,65 mm	LTA ø 3,75 mm	CS ø 4,15 mm	PVC2 ø 5,30 mm
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|| A || B || C || D || E ||

MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	ø 0,80 mm
B	DIELECTRIC	FOAM POLYETHYLENE	ø 3,65 ± 0,10 mm
C	SHIELD	ALUMINIUM + POLYESTER + ALUMINIUM TAPE		h. 15 mm
		- COVERAGE	100%
D	BRAID	TINNED COPPER	64 x 0,10 mm
		- COVERAGE	50%
E	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE		ø 5,30 ± 0,10 mm
	- COLOUR	WHITE - RAL 9003		
	- PRINTING	## METER ## SIVA SAT 37500 75 Ohm MADE IN ITALY		
		CE 57 SETT/ANNO EN 50575:2014 + A1:2016 Eca		

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 9,2
- PLASTIC 17,1
- TOTAL 27,7

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	75 ± 3 Ohm	RESISTANCE	
		- INNER CONDUCT.	35,0 Ohm/Km
CAPACITANCE	53 pF/m	- BRAID	29,0 Ohm/Km
		TENSION	
VELOCITY RATIO	84%	- 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	>33
470 ÷ 862	MHz	>30
862 ÷ 2150	MHz	>26
2150 ÷ 3000	MHz	>22

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.