



FABBRICA CAVI - ANTENNE - ACCESSORI TV



SAT 35500

SATELLITE AND DIGITAL DROP CABLE

RECOMMENDED APPLICATION :

CROWDED CABLE DUCTS

Class CPR **E_{ca}**

CATEGORY

B

EN 50117

CU ø 0,80 mm	PEG ø 3,50 mm	LTA ø 3,60 mm	CS ø 4,00 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	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	ø 3,50 ± 0,10 mm
C	SHIELD	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	h. 15 mm
	- COVERAGE		100%
D	BRAID	TINNED COPPER	64 x 0,10 mm
	- COVERAGE		48%
E	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 5,30 ± 0,10 mm
	- COLOUR	WHITE - RAL 9003	
	- PRINTING	## METER ## SIVA SAT 35500 75 Ohm	
		MADE IN ITALY CE 56 WEEK/YEAR 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	17,7
- TOTAL	28,3

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
VELOCITY RATIO	84%	TENSION	
		- SHEATH	3,0 kV
		- SPARK TESTING	

ATTENUATIONS dB/100 m.

5 MHz	1,6	470 MHz	17,1	1500 MHz	31,8
10 MHz	2,2	600 MHz	19,4	1750 MHz	33,9
50 MHz	5,1	800 MHz	22,3	2150 MHz	38,8
100 MHz	7,7	862 MHz	23,4	2400 MHz	41,6
200 MHz	10,9	1000 MHz	26,0	2750 MHz	45,3
300 MHz	13,3	1350 MHz	29,6	3000 MHz	47,7

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

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.