



FABBRICA CAVI - ANTENNE - ACCESSORI TV

# SAT 37856 PRO

DIGITAL DROP CABLE  
RECOMMENDED APPLICATION :  
CROWDED CABLE DUCTS

Class CPR **E<sub>ca</sub>**

CATEGORY

**A+**  
**EN 50117**

CU      PEG      LTA      ALL      PVC2  
ø 0,80 mm    ø 3,65 mm    ø 3,75 mm    ø 4,40 mm    ø 6,00 mm



|| A || B || C || D || E ||



## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	PLAIN COPPER	.....	<b>ø 0,80 mm</b>
<b>B</b>	<b>DIELECTRIC</b>	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	.....	<b>ø 3,65 ± 0,10 mm</b>
<b>C</b>	<b>SHIELD</b>	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	.....	<b>h. 15 mm</b>
	- COVERAGE	.....	.....	<b>100%</b>
<b>D</b>	<b>BRAID</b>	ALUMINIUM	.....	<b>96 x 0,16 mm</b>
	- COVERAGE	.....	.....	<b>85%</b>
<b>E</b>	<b>SHEATH</b>	NON-CONTAMINATING POLYVINYL-CHLORIDE	.....	<b>ø 6,00 ± 0,10 mm</b>
	- COLOUR	<b>WHITE - RAL 9003</b>		
	- PRINTING	<b>## METER ## SIVA SAT 37856 PRO 75 Ohm CLASSE A+ LTE READY</b>		
		<b>MADE IN ITALY CE 57 WEEK/YEAR EN 50575:2014 + A1:2016 Eca</b>		

### MINIMUM BENDING RADIUS ( mm )

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

### CABLE WEIGHT ( Kg/Km )

- COPPER      4,5
- ALUMINIUM    5,5
- PLASTIC      23,8
- TOTAL        35,2

TEMPERATURE RANGE      -30 °C / +70 °C

## ELECTRICAL PROPERTIES at 20°C

<b>IMPEDANCE</b>	75 ± 3 Ohm	<b>RESISTANCE</b>	
<b>CAPACITANCE</b>	53 pF/m	- INNER CONDUCT.	35,0 Ohm/Km
<b>VELOCITY RATIO</b>	84%	- BRAID	12,0 Ohm/Km
		<b>TENSION</b>	
		- SHEATH	4,0 kV
		- SPARK TESTING	

### ATTENUATIONS dB/100 m.

5 MHz	1,6	470 MHz	16,7	1500 MHz	31,1
10 MHz	2,2	600 MHz	18,9	1750 MHz	33,2
50 MHz	5,1	800 MHz	21,8	2150 MHz	38,0
100 MHz	7,6	862 MHz	22,8	2400 MHz	40,7
200 MHz	10,7	1000 MHz	25,4	2750 MHz	44,3
300 MHz	13,0	1350 MHz	29,0	3000 MHz	46,7

### STRUCTURAL RETURN LOSS dB

30 ÷ 470	MHz	>29
470 ÷ 862	MHz	>27
862 ÷ 2150	MHz	>24
2150 ÷ 3000	MHz	>21

### SCREENING EFFECTIVENESS dB EN 50117 STANDARD

<b>TRANSFER IMPEDANCE</b>	5 ÷ 30	MHz	<5	mOhm/m
	30 ÷ 1000	MHz	>95	dB
	1000 ÷ 2000	MHz	>90	dB
	2000 ÷ 3000	MHz	>80	dB

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