



FABBRICA CAVI - ANTENNE - ACCESSORI TV



# SAT 37800

DIGITAL DROP CABLE  
RECOMMENDED APPLICATION :  
CROWDED CABLE DUCTS

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

CATEGORY

**A+**  
EN 50117

CU                  PEG                  LTA                  CS                  PVC2  
ø 0,80 mm      ø 3,65 mm      ø 3,75 mm      ø 4,15 mm      ø 5,30 mm



## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	PLAIN COPPER	.....	ø 0,80 mm
<b>B</b>	<b>DIELECTRIC</b>	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	.....	ø 3,65 ± 0,10 mm
<b>C</b>	<b>SHIELD</b>	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	.....	h. 15 mm
		- COVERAGE	.....	100%
<b>D</b>	<b>BRAID</b>	TINNED COPPER	.....	112 x 0,10 mm
		- COVERAGE	.....	72%
<b>E</b>	<b>SHEATH</b>	NON-CONTAMINATING POLYVINYL-CHLORIDE	.....	ø 5,30 ± 0,10 mm
	- COLOUR	<b>WHITE - RAL 9003</b>		
	- PRINTING	<b>## METER ## SIVA SAT 37800 75 Ohm CLASSE A+ LTE READY</b>		
		<b>MADE IN ITALY CE 56 WEEK/YEAR EN 50575:2014 + A1:2016 Eca</b>		

### 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	12,9
- PLASTIC	17,0
- TOTAL	31,3

## ELECTRICAL PROPERTIES at 20°C

IMPEDANCE                      75 ± 3 Ohm

CAPACITANCE                    53 pF/m

VELOCITY RATIO                84%

### RESISTANCE

- INNER CONDUCT.	35,0 Ohm/Km
- BRAID	17,0 Ohm/Km

### TENSION

- SHEATH SPARK TESTING	3,0 kV
------------------------	--------

### 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	20,9	2150 MHz	38,0
100 MHz	7,6	862 MHz	21,8	2400 MHz	40,7
200 MHz	10,7	1000 MHz	22,8	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.