



FABBRICA CAVI - ANTENNE - ACCESSORI TV

# SAT 34566 A

DIGITAL DROP CABLE

RECOMMENDED APPLICATION :  
CROWDED CABLE DUCTS

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

CATEGORY

**A**  
**EN 50117**

<b>CW</b> ø 0,75 mm	<b>PEG</b> ø 3,40 mm	<b>LTA</b> ø 3,50 mm	<b>ALL</b> ø 4,15 mm	<b>PVC2</b> ø 5,40 mm
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	<b>A</b>		<b>B</b>		<b>C</b>		<b>D</b>		<b>E</b>	
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## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	COPPERWELD	.....	<b>ø 0,75 mm</b>
<b>B</b>	<b>DIELECTRIC</b>	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	.....	<b>ø 3,40 ± 0,10 mm</b>
<b>C</b>	<b>SHIELD</b>	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	.....	<b>h. 12 mm</b>
	-	COVERAGE	.....	<b>100%</b>
<b>D</b>	<b>BRAID</b>	ALUMINIUM	.....	<b>48 x 0,16 mm</b>
	-	COVERAGE	.....	<b>56%</b>
<b>E</b>	<b>SHEATH</b>	NON-CONTAMINATING POLYVINYL-CHLORIDE	.....	<b>ø 5,40 ± 0,10 mm</b>
	-	COLOUR	<b>WHITE - RAL 9003</b>	
	-	PRINTING	<b>## METER ## SIVA SAT 34566 A 75 Ohm CLASSE A LTE READY</b>	
			<b>MADE IN ITALY CE 61 SETT/ANNO 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 )

- **CW** 3,6
- **ALUMINIUM** 2,8
- **PLASTIC** 17,8
- **TOTAL** 25,2

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	- <b>INNER CONDUCT.</b>	97,0 Ohm/Km
<b>VELOCITY RATIO</b>	84%	- <b>BRAID</b>	22,0 Ohm/Km
		<b>TENSION</b>	
		- <b>SHEATH</b>	3,0 kV
		- <b>SPARK TESTING</b>	

### ATTENUATIONS dB/100 m.

5 MHz	1,7	470 MHz	18,1	1500 MHz	33,5
10 MHz	2,4	600 MHz	20,5	1750 MHz	35,7
50 MHz	5,5	800 MHz	23,6	2150 MHz	41,0
100 MHz	8,2	862 MHz	24,8	2400 MHz	44,0
200 MHz	11,6	1000 MHz	27,5	2750 MHz	47,9
300 MHz	14,2	1350 MHz	31,2	3000 MHz	50,4

### STRUCTURAL RETURN LOSS dB

30 ÷ 470	MHz	>27
470 ÷ 862	MHz	>25
862 ÷ 2150	MHz	>22
2150 ÷ 3000	MHz	>19

### SCREENING EFFECTIVENESS dB EN 50117 STANDARD

<b>TRANSFER IMPEDANCE</b>	5 ÷ 30	MHz	<5	mOhm/m
	30 ÷ 1000	MHz	>85	dB
	1000 ÷ 2000	MHz	>75	dB
	2000 ÷ 3000	MHz	>65	dB

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