



FABBRICA CAVI - ANTENNE - ACCESSORI TV

SAT 35546

SATELLITE AND DIGITAL DROP CABLE

RECOMMENDED APPLICATION :
CROWDED CABLE DUCTS

Class CPR **E_{ca}**

CATEGORY

A
EN 50117

CU ø 0,80 mm	PEG ø 3,50 mm	LTA ø 3,60 mm	ALL ø 4,25 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	ALUMINIUM	48 x 0,16 mm
	- COVERAGE		54%
E	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 5,30 ± 0,10 mm
	- COLOUR	WHITE - RAL 9003	
	- PRINTING	## METER ## SIVA SAT 35546 75 Ohm CLASSE A LTE READY	
		MADE IN ITALY CE 57 WEEK/YEAR EN 50575:2014 + A1:2016 Eca	

MINIMUM BENDING RADIUS (mm)

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

CABLE WEIGHT (Kg/Km)

- COPPER 4,5
- ALUMINIUM 2,8
- PLASTIC 15,8
- TOTAL 24,5

TEMPERATURE RANGE -30 °C / +70 °C

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	75 ± 3 Ohm	RESISTANCE	
CAPACITANCE	53 pF/m	- INNER CONDUCT.	35,0 Ohm/Km
VELOCITY RATIO	84%	- BRAID	26,0 Ohm/Km
		TENSION	
		- SHEATH	2,5 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	<10	mOhm/m
	30 ÷ 1000	MHz	>90	dB
	1000 ÷ 2000	MHz	>75	dB
	2000 ÷ 3000	MHz	>65	dB

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