



FABBRICA CAVI - ANTENNE - ACCESSORI TV

SAT 51905

DIGITAL DROP CABLE

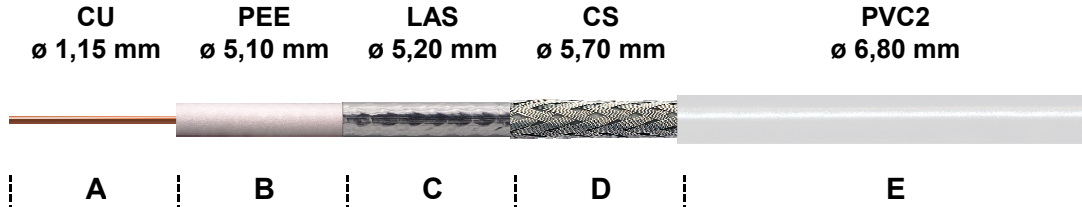
RECOMMENDED APPLICATION :

HIGH SCREENING EFFECTIVENESS INSTALLATIONS

Class CPR **E_{ca}**

CATEGORY

A+
EN 50117



MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	.....	ø 1,15 mm
B	DIELECTRIC	FOAM POLYETHYLENE	.....	ø 5,10 ± 0,10 mm
C	SHIELD	ALL + PET + ALL ADHESIVE TAPE		h. 18 mm
		- COVERAGE	.....	100%
D	BRAID	TINNED COPPER	.....	168 x 0,12 mm
		- COVERAGE	.....	90%
E	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE		ø 6,80 ± 0,10 mm
	- COLOUR	WHITE - RAL 9003		
	- PRINTING	## METER ## SIVA SAT 51905 75 Ohm CLASSE A+ LTE READY		
		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 28,7
- PLASTIC 24,5
- TOTAL 55,4

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	75 ± 3 Ohm	RESISTANCE	
		- INNER CONDUCT.	16,6 Ohm/Km
CAPACITANCE	53 pF/m	- BRAID	9,5 Ohm/Km
VELOCITY RATIO	84%	TENSION	
		- SHEATH	2,5 kV
		- SPARK TESTING	

ATTENUATIONS dB/100 m.

5 MHz	1,1	470 MHz	12,5	1500 MHz	24,3
10 MHz	1,6	600 MHz	14,5	1750 MHz	26,2
50 MHz	3,9	800 MHz	16,8	2150 MHz	29,5
100 MHz	5,6	862 MHz	17,4	2400 MHz	31,6
200 MHz	8,1	1000 MHz	19,1	2750 MHz	34,2
300 MHz	9,8	1350 MHz	22,6	3000 MHz	36,2

STRUCTURAL RETURN LOSS dB

30 ÷ 470	MHz	>33
470 ÷ 862	MHz	>31
862 ÷ 2150	MHz	>25
2150 ÷ 3000	MHz	>23

SCREENING EFFECTIVENESS dB EN 50117 STANDARD

TRANSFER IMPEDANCE	5 ÷ 30	MHz	<2,5	mOhm/m
	30 ÷ 1000	MHz	>95	dB
	1000 ÷ 2000	MHz	>85	dB
	2000 ÷ 3000	MHz	>75	dB

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