



FABBRICA CAVI - ANTENNE - ACCESSORI TV

SAT 48400 XS

DIGITAL DROP CABLE

RECOMMENDED APPLICATION :

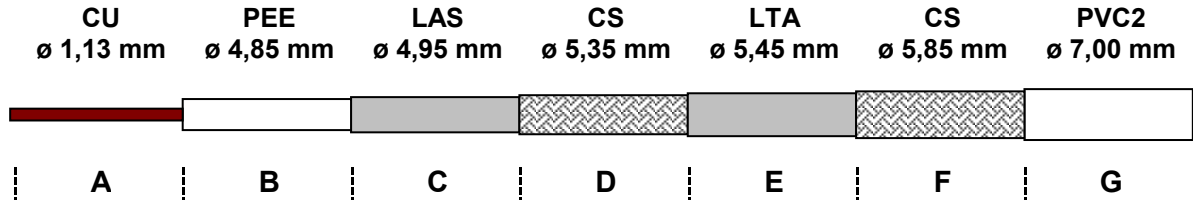
HIGH SCREENING EFFECTIVENESS INSTALLATIONS

Class CPR **E_{ca}**

CATEGORY

A++

EN 50117



MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	.....	\varnothing 1,13 mm
B	DIELECTRIC	FOAM POLYETHYLENE	.....	\varnothing 4,85 ± 0,10 mm
C	SHIELD	ALL + PET + ALL ADHESIVE TAPE	.....	h. 18 mm
		- COVERAGE	.....	100%
D	BRAID	TINNED COPPER	.....	64 x 0,10 mm
		- COVERAGE	.....	40%
E	SHIELD	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	.....	h. 18 mm
		- COVERAGE	.....	100%
F	BRAID	TINNED COPPER	.....	64 x 0,10 mm
		- COVERAGE	.....	37%
G	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	.....	\varnothing 7,00 ± 0,10 mm
	- COLOUR	WHITE - RAL 9003		
	- PRINTING	## METRICA ## SIVA SAT 48400 XS 75 Ohm CLASSE A++ LTE READY		
		MADE IN ITALY CE 56 WEEK/YEAR EN 50575:2014 + A1:2016 Eca		

MINIMUM BENDING RADIUS (mm)

- SINGLE \varnothing EXTERNAL X 5
- REPEATED \varnothing EXTERNAL X 10

TEMPERATURE RANGE -30 °C / +70 °C

CABLE WEIGHT (Kg/Km)

- COPPER 19,1
- PLASTIC 24,8
- TOTAL 47,8

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 75 ± 3 Ohm

CAPACITANCE 53 pF/m

VELOCITY RATIO 84%

RESISTANCE

- INNER CONDUCT. 17,2 Ohm/Km
- BRAID 12,5 Ohm/Km

TENSION

- SHEATH SPARK TESTING 3,0 kV

ATTENUATIONS dB/100 m.

5 MHz	1,5	470 MHz	13,2	1500 MHz	25,6
10 MHz	2,0	600 MHz	15,4	1750 MHz	27,6
50 MHz	4,3	800 MHz	17,7	2150 MHz	31,0
100 MHz	6,1	862 MHz	18,5	2400 MHz	33,1
200 MHz	8,7	1000 MHz	20,2	2750 MHz	35,9
300 MHz	10,5	1350 MHz	23,8	3000 MHz	38,0

STRUCTURAL RETURN LOSS dB

30 ÷ 470	MHz	>31
470 ÷ 862	MHz	>30
862 ÷ 2150	MHz	>27
2150 ÷ 3000	MHz	>24

SCREENING EFFECTIVENESS dB EN 50117 STANDARD

TRANSFER IMPEDANCE 5 ÷ 30	MHz	<0,9	mOhm/m
30 ÷ 1000	MHz	>105	dB
1000 ÷ 2000	MHz	>95	dB
2000 ÷ 3000	MHz	>85	dB

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