



FABBRICA CAVI - ANTENNE - ACCESSORI TV

SAT 37856 TRS

BROADBAND DISTRIBUTION NETWORKS

RECOMMENDED APPLICATION :

HIGH SCREENING EFFECTIVENESS INSTALLATIONS

Class CPR **F_{ca}**

CATEGORY

A++
EN 50117

CU	PEG	LAS	ALL	LAS	PVC2
∅ 0,80 mm	∅ 3,65 mm	∅ 3,75 mm	∅ 4,40 mm	∅ 4,50 mm	∅ 6,00 mm



|| A || B || C || D || E || F ||

MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	∅ 0,80 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	∅ 3,65 ± 0,10 mm
C	SHIELD	ALL + PET + ALL ADHESIVE TAPE	h. 15 mm
	- COVERAGE		100%
D	BRAID	ALUMINIUM	96 x 0,16 mm
	- COVERAGE		85%
E	SHIELD	ALL + PET + ALL ADHESIVE TAPE	h. 15 mm
	- COVERAGE		100%
F	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	∅ 6,00 ± 0,10 mm
	- COLOUR	WHITE - RAL 9003	
	- PRINTING	## METER ## SIVA SAT 37856 TRS 75 Ohm CLASSE A++ LTE READY	
		MADE IN ITALY CE 57 WEEK/YEAR	

MINIMUM BENDING RADIUS (mm)

- SINGLE	∅ EXTERNAL X 5
- REPEATED	∅ EXTERNAL X 10

CABLE WEIGHT (Kg/Km)

- COPPER	4,5
- ALUMINIUM	5,5
PLASTIC	23,8
- TOTAL	37,4

TEMPERATURE RANGE -30 °C / +70 °C

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	75 ± 3 Ohm	RESISTANCE	
		- INNER CONDUCT.	35,0 Ohm/Km
CAPACITANCE	53 pF/m	- BRAID	8,0 Ohm/Km
VELOCITY RATIO	84%	TENSION	
		- SHEATH	4,0 kV
		- SPARK TESTING	

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	21,8	2150 MHz	38,0
100 MHz	7,6	862 MHz	22,8	2400 MHz	40,7
200 MHz	10,7	1000 MHz	25,4	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

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.