

Description

Outdoor drop coaxial cable - 75 Ohm

Outdoor installation cable (Screening Class B)

Coaxial Cables

CAVEL®

since 1968

Data Sheet

SAT703PE



Ø	1,13	4,80	4,90	5,30	6,80
	(Cu)	(PEG)	(Al/Pet/Al)	(CuSn)	(PE)

Class CPR acc. to UE 305/2011 (DoP)

Fca

The cable can be used in the field of application of the Construction Product Regulation (DoP) UE nr. 305/2011 for the class of performance specified on the related product label.

Standards

EN 50117-2-5

Construction data

Inner conductor of plain copper	(Cu)	Ø 1,13 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	Ø 4,80 ± 0,10	mm
Aluminium/Polyester/Aluminium tape longitudinally overlapped	(Al/Pet/Al)		
Water repellent sealing (dielectric)	(Jelly1)		
Braid of tinned copper wires	(CuSn)		
Braid optical coverage (IEC 96-1)		45	%
Diameter over Braid		Ø 5,30	mm
Outer sheath of Polyethylene - black - with carbonblack	(PE)	Ø 6,80 ± 0,10	mm
Printed each meter by yellow ink-jet :			

CAVEL SAT 703 PE MADE IN ITALY 75 Ohm Euroclass Fca EN50117-2-5 CEI-UNEL 36762 C-4 (U0 = 400V)
gggaan m

(gggaan=batch number m=meter marking)

Physical data

Weight of copper conductors	14,45	kg/km
Total weight of cable	37,33	kg/km
Minimum bending radius (single/repeated bending)	35/70	mm
Minimum installation temperature	-5	°C
Operating temperature	-40 / +80	°C

Electrical data

Characteristic impedance	200 MHz	75 ± 3	Ohm
Capacitance (@1kHz)		52 ± 2	pF/m
Velocity Ratio		85 %	
Inner conductor resistance		18	Ohm/km
Outer conductor resistance		22	Ohm/km
Loop resistance		40	Ohm/km
Sheat Insulation voltage (spark test)		5	kV
Maximum current (Ieff)		8	A
Structural return loss (SRL)			
5 - 470 MHz	>30 dB		
470 - 1000 MHz	>28 dB		

ITALIANA CONDUTTORI s.r.l.

Viale Zanotti 90 I - 27027 Gropello Cairoli
Tel +39-382.815150 Fax +39-0382.814212

Date

20/12/2017

Responsible

Alberto Scardovi

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1000 - 2000 MHz >26 dB
 2000 - 3000 MHz >22 dB

Screening Attenuation (SA)	SA-Class B	Shield Transfer Impedance (Zt)	Zt-Class C
30 - 1000 MHz	>80 dB	5 - 30 MHz	< 50 mOhm/m
1000 - 2000 MHz	>80 dB		
2000 - 3000 MHz	>65 dB		

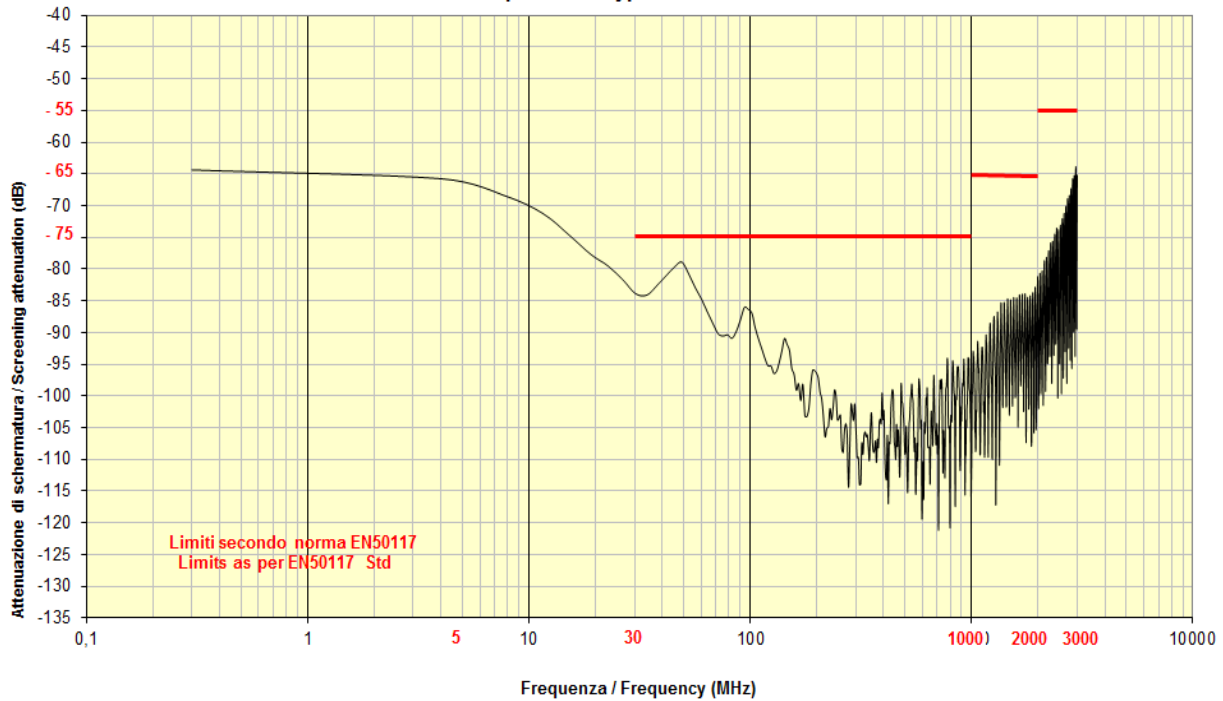
Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,60	862	17,10
10	2,10	1000	18,50
30	3,10	1750	24,90
50	4,10	2150	27,90
200	7,90	2400	29,60
300	9,80	3000	33,40
470	12,40		

Attenuazione di schermatura / Screening Attenuation

Cavo classe B / B Class Cable

Cavo tipo / Cable type: SAT703PE



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