

## Description

Outdoor drop coaxial cable - 75 Ohm  
Outdoor installation cable (Screening Class B)



## Data Sheet

SAT703-2G



1,13 (Cu)	4,80 (PEG)	4,90 (Al/Pet/Al)	5,30 (CuSn)	5,34 (Pet)	6,30 (PE)	7,60 (PVC)
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## Constructive data

Inner conductor of plain copper	(Cu)	1,13 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	4,80 ± 0,10	mm
Water repellent sealing (dielectric)	(Jelly1)		
Aluminium/Polyester/Aluminium tape longitudinally overlapped	(Al/Pet/Al)		
Braid of tinned copper wires	(CuSn)		
Braid optical coverage (IEC 96-1)		45 %	
Outer non-migrating Polyester tape longitudinally overlapped	(Pet)	20 x 15	µm
Diameter under Sheath		5,30	mm
Inner sheath of Polyethylene neutral	(PE)	6,30 ± 0,10	mm
Outer sheath of Polyvinylchloride - grey (RAL 7035) - lead-free (Q1B)	(PVC)	7,60 ± 0,10	mm

Printed each meter by black ink-jet :

**CAVEL SAT 703 2G MADE IN ITALY 75 Ohm EN50117-2-5 CEI-UNEL 36762 C-4 (U0 =400V) ss/aa m**

(ss=week, aa=year) (m=meter marking)

## Electrical data

Characteristic impedance (@ 200 MHz)	75 ± 3	Ohm
Capacitance (@1kHz)	52 ± 2	pF/m
Velocity factor	85 %	
Inner conductor resistance	18	Ohm/km
Outer conductor resistance	22	Ohm/km
Loop resistance	40	Ohm/km
Insulation voltage of the sheath (spark test)	8	kV
Maximum current (Ieff)	8,00	A

## Structural return loss (SRL)

5 - 470 MHz	>30 dB
470 - 1000 MHz	>28 dB
1000 - 2000 MHz	>26 dB
2000 - 3000 MHz	>22 dB

## Screening attenuation (SA)

30 - 1000 MHz	>80 dB
1000 - 2000 MHz	>80 dB
2000 - 3000 MHz	>70 dB

## Transfer impedance

5 - 30 MHz &lt; 1,5 mOhm/m

## ITALIANA CONDUTTORI s.r.l.

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Tel +39-382.815150 Fax +39-0382.814212

## Date

11/07/2008

## Responsible

PierPaolo Piccinini

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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	3,20	1750	24,90
50	4,10	2150	27,90
200	7,90	2400	29,60
300	9,80	3000	33,40
470	12,40		

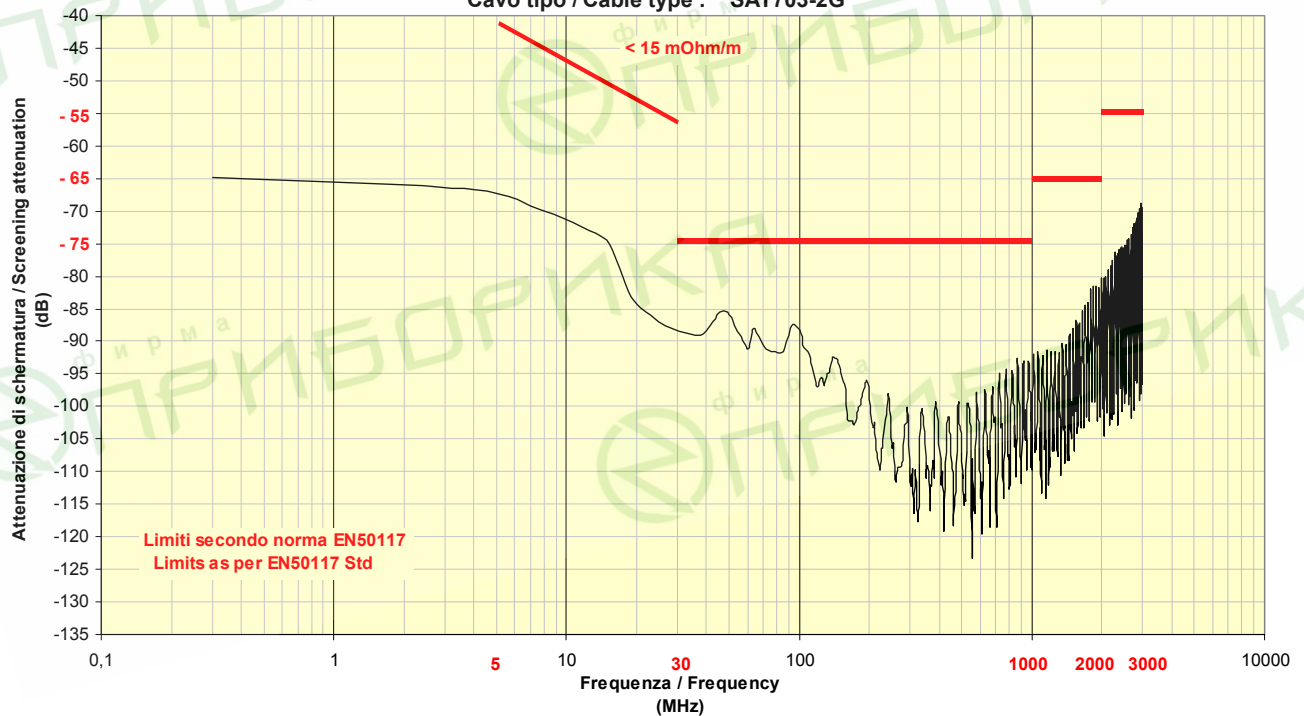
## Mechanical data

Weight of copper conductors	14,45	kg/km
Total weight of cable	50,54	kg/km
Minimum bending radius (single/repeated bending)	40/80	mm
Max. cable pulling strength	150	N

## Attenuazione di schermatura / Screening Attenuation

Cavo classe B / B Class Cable

Cavo tipo / Cable type : SAT703-2G



## Connector

<b>F125A</b>	F male crimp connector for indoor installation, nitin-plated brass - 24,0 x 12,0 mm
<b>FC703</b>	F male compression connector for outdoor installation, nitin-plated brass - 30,0 x 12,0 mm
<b>BNCC703</b>	BNC male compression connector for outdoor installation, nitin-plated brass - 35,0 x 14,0 mm

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