

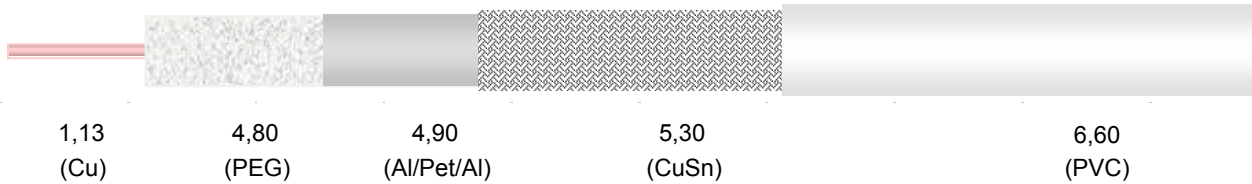
Description

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



Data Sheet

SAT703B



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 %	
Diameter under Sheath		5,30	mm
Outer sheath of Polyvinylchloride - white (PVQ1BI) - lead-free (Q1B)	(PVC)	6,60 ± 0,10	mm

Printed each meter by black ink-jet :

CAVEL SAT 703 B MADE IN ITALY 75 Ohm EN50117-2-4 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)		3	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	< 1,5 mOhm/m

ITALIANA CONDUTTORI s.r.l.

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

Date

11/07/2008

Responsible

Pierpaolo Piccinini

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Coaxial Cables

CAVEL®

since 1968

Data Sheet

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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		

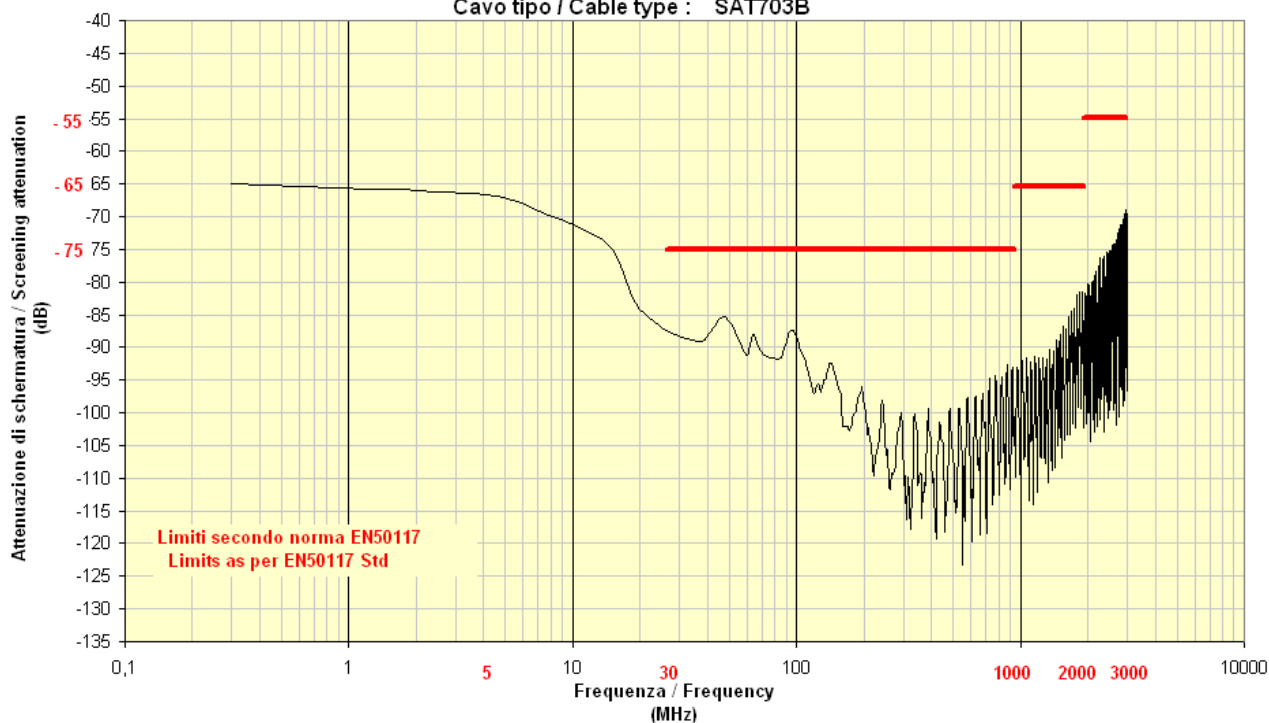
Mechanical data

Weight of copper conductors	14,45	kg/km
Total weight of cable	39,49	kg/km
Minimum bending radius (single/repeated bending)	35/70	mm
Max. cable pulling strength	150	N

Attenuazione di schermatura / Screening Attenuation

Cavo classe B / B Class Cable

Cavo tipo / Cable type : SAT703B



Connector

F703	F male crimp connector for indoor installation, nitin-plated brass - 21,0 x 12,0 mm
FA703	F male twist-on connector for indoor installation, nitin-plated brass - 22,0 x 12,0 mm
FC703	F male compression connector for outdoor installation, nitin-plated brass - 30,0 x 12,0 mm
BNCC703	BNC male compression connector for outdoor installation, nitin-plated brass - 35,0 x 14,0 mm

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