

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



CAVEL Code:

SAT703B

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CONSTRUCTIVE DATA

Inner conductor of plain copper	(Cu)	Ø 1,13 mm
Dielectric of physical foam polyethylene	(PEG)	Ø 4,80 mm
Water repellent sealing (dielectric)	(Jelly1)	
Aluminium/Polyester/Aluminium tape longitudinally overlapped	(Al/Pet/Al)	
Braid of tinned copper litz wires	(CuSn)	Ø
Braid optical coverage (IEC 96-1)		44 %
Outer sheath of Polyvinylchloride white lead-free (Q1B)	(PVC)	Ø 6.60 ± 0.10 mm
printed each meter by black ink-jet : (ss=week, aa=year) (m=meter marking)		

CAVEL SAT 703 B MADE IN ITALY 75 Ohm EN50117-2-4 ss/aa m

MECHANICAL PARAMETERS

Weight of copper conductors	15,50	kg/km
Total weight of cable	40,20	kg/km
Minimum bending radius (single/repeated bending)	35/70	mm
Max. cable pulling strength	150	N

ELECTRICAL PARAMETERS

Characteristic impedance (@ 200 MHz)	75,00 ± 3,00	Ohm
Capacitance (@1kHz)	52,00 ± 2,00	pF/m
Velocity factor	85 %	
Inner conductor resistance	18,0	Ohm/km
Outer conductor resistance	20,0	Ohm/km
loop Resistance	38,0	Ohm/km
Maximum current (Ieff)	8,0	A
Insulation voltage of the sheath (spark test)	3,0	kV
Standard:	EN50117-2-4	

-Attenuation-

Frequency (MHz)	5	10	30	50	200	300	470	862	1000	1750	2150	2400	3000
dB/100m	1.90	2.60	3.50	4.40	8.30	10.10	12.80	17.50	18.90	25.50	28.40	30.00	34.00

Structural return loss (SRL)

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

Transfer impedance

5 - 30 MHz	1,5 mOhm/m
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Screening attenuation (SA)

30 - 1000 MHz	>80 dB
1000 - 2000 MHz	>90 dB
2000 - 3000 MHz	>80 dB

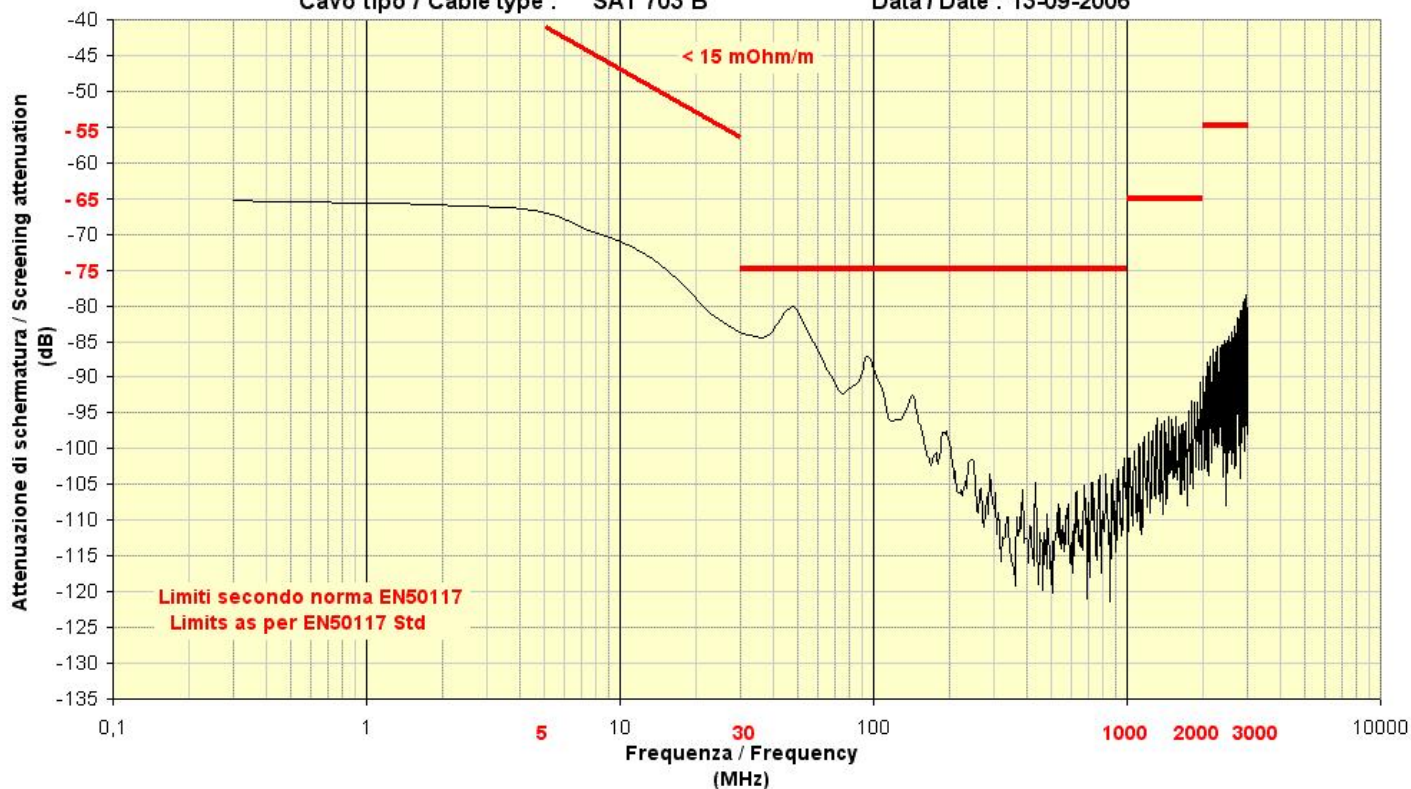


Attenuazione di schermatura / Screening Attenuation

Cavo classe B / B Class Cable

Cavo tipo / Cable type : SAT 703 B

Data / Date : 13-09-2006



STANDARD PACKAGING

Mod 8A	100 m in thermoretractable material	6 coils per package = 600 m
Mod 10	250 m in thermoretractable material	2 coils per package = 500 m

CONNECTORS

FA703	F male twist-on connector for indoor installation
F703	F male crimp connector for indoor installation
FC703SL	F male compression connector for outdoor installation