

Description

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

Coaxial Cables

CAVEL

since 1968

Data Sheet

SAT752F

Ø	1,13	4,80	4,90	5,30	6,60
	(Cu)	(PEG)	(Cu/Pet)	(Cu)	(PVC)

Construction 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)	
Copper/Polyester tape longitudinally overlapped	(Cu/Pet)	
Braid of annealed copper wires	(Cu)	
Braid optical coverage (IEC 96-1)		72 %
Diameter under Sheath		5,30 mm
Outer sheath of Polyvinylchloride - black - lead-free	(PVC)	6,60 ± 0,10 mm

Printed each meter by yellow ink-jet :

CAVEL SAT 752 F MADE IN ITALY 75 Ohm EN50117-2-4 CEI-UNEL 36762 C-4 (U0 =400V) *LTE PROTECTION*
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		12,50	Ohm/km
Loop resistance		30,50	Ohm/km
Insulation voltage of the sheath (spark test)		3	kV
Maximum current (Ieff)		8	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	>95 dB
1000 - 2000 MHz	>85 dB
2000 - 3000 MHz	>75 dB

Transfer impedance

5 - 30 MHz < 2,5 mOhm/m

ITALIANA CONDUTTORI s.r.l.

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Responsible

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Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,40	862	16,70
10	2,00	1000	18,00
30	2,90	1750	24,50
50	3,80	2150	27,50
200	7,70	2400	29,00
300	9,40	3000	33,00
470	12,10		

Mechanical data

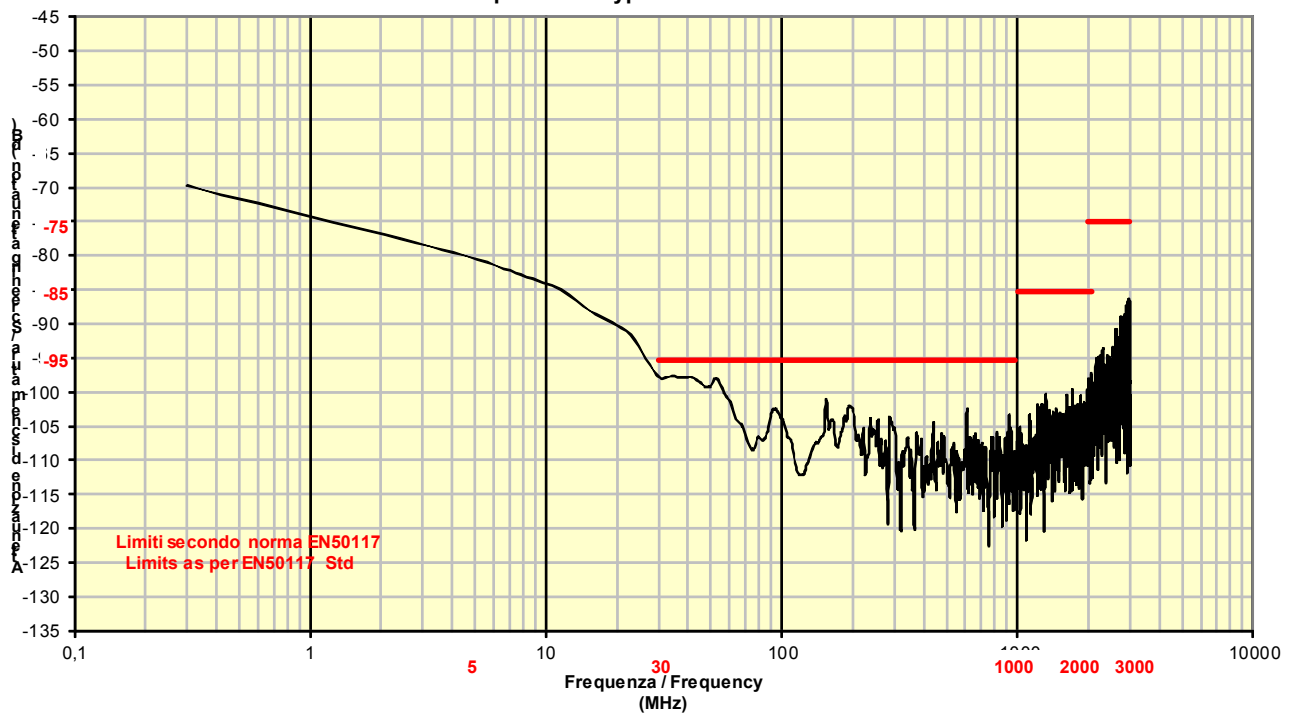
Weight of copper conductors	22,75	kg/km	
Total weight of cable	45,94	kg/km	
Minimum bending radius (single/repetead bending)	35/70	mm	
Maximum cable pulling strength	150	N	
Fire Load	601	MJ/km	167 kWh/km

Standards

EN 50117-2-4

Attenuazione di schermatura / Screening Attenuation

Cavo classe A+ / A+ Class Cable
 Cavo tipo / Cable type : **SAT752F**



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**Data Sheet****SAT752F****Connector**

FR703	Series F Crimp, F crimp, "Rapid", for indoor installation
F90	Series F Crimp, F Crimp, for indoor installation
FA703	Serie F Twist-On, F Twist-On, for indoor installation, nitin-plated brass - 21,0 mm x 12,0 mm
F703	Series F Crimp, F Crimp, for indoor installation, nitin-plated brass - 21,0 mm x 12,0 mm
BNCC703	Series BNC Compression, BNC Compression, for outdoor installation, nitin-plated brass - 35,0 mm x 14,0 mm
IECF90C	Series IEC (no tool), Ø 5,1 90° female, for indoor installation
IECM90C	Series IEC (no tool), Ø 5,1 90° male, for indoor installation
FCPO5.1C	Series F Compression, Ø 5,1 Push-On, for outdoor installation, nitin-plated brass
FC703	Series F Compression, F Compression, for outdoor installation, nitin-plated brass - 30,0 mm x 12,0 mm
FC7.0QM	Series F Compression, Quick Mount, for outdoor installation
IECF703	Serie IEC Compression, female, no tool, for outdoor installation
IECM703	Serie IEC Compression, male, for outdoor installation
IECF5.1C	Series IEC (no tool), female, no tool, for indoor installation
IECM5.1C	Series IEC (no tool), male, no tool, for indoor installation

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