

Description

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

Coaxial Cables

CAVEL®

since 1968

Data Sheet

2XSAT50M



Constructive data

Inner conductor of plain copper	(Cu)	1,00 ± 0,02 mm
Dielectric of physical foam polyethylene	(PEG)	4,75 ± 0,10 mm
Aluminium/Polyester tape longitudinally overlapped	(Al/Pet)	
Braid of tinned copper wires	(CuSn)	
Braid optical coverage (IEC 96-1)		38 %

Data Sheet

Sheath Colour

2XSAT50M

white (PVQ1BI)

Outer sheath of Polyvinylchloride - white (PVQ1BI) - lead-free (Q1B) (PVC) 14,20 x 6,60 ± 0,20 mm

Printed each 50 cm by ink-jet :

CAVEL 2 x SAT 50 M MADE IN ITALY 75 Ohm EN50117-2-4 CEI-UNEL 36762 C-4 (U0 =400V) ss/aa

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

Electrical data

Characteristic impedance (@ 200 MHz)	75 ± 3	Ohm
Capacitance (@1kHz)	54 ± 2	pF/m
Velocity factor	82 %	
Outer conductor resistance	33	Ohm/km
Loop resistance	55,50	Ohm/km
Insulation voltage of the sheath (spark test)	3	KV
Maximum current (Ieff)	6,00	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	>75 dB
1000 - 2000 MHz	>80 dB
2000 - 3000 MHz	>67 dB

Transfer impedance

5 - 30 MHz 6 mOhm/m

Mechanical data

Weight of copper conductors	22,80 kg/km
Total weight of cable	75,40 kg/km
Minimum bending radius (single/repeated bending)	35/70 mm
Max. cable pulling strength	150 N

ITALIANA CONDUTTORI s.r.l.

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Tel +39-382.815150 Fax +39-0382.814212

Date

19/10/2009

Responsible

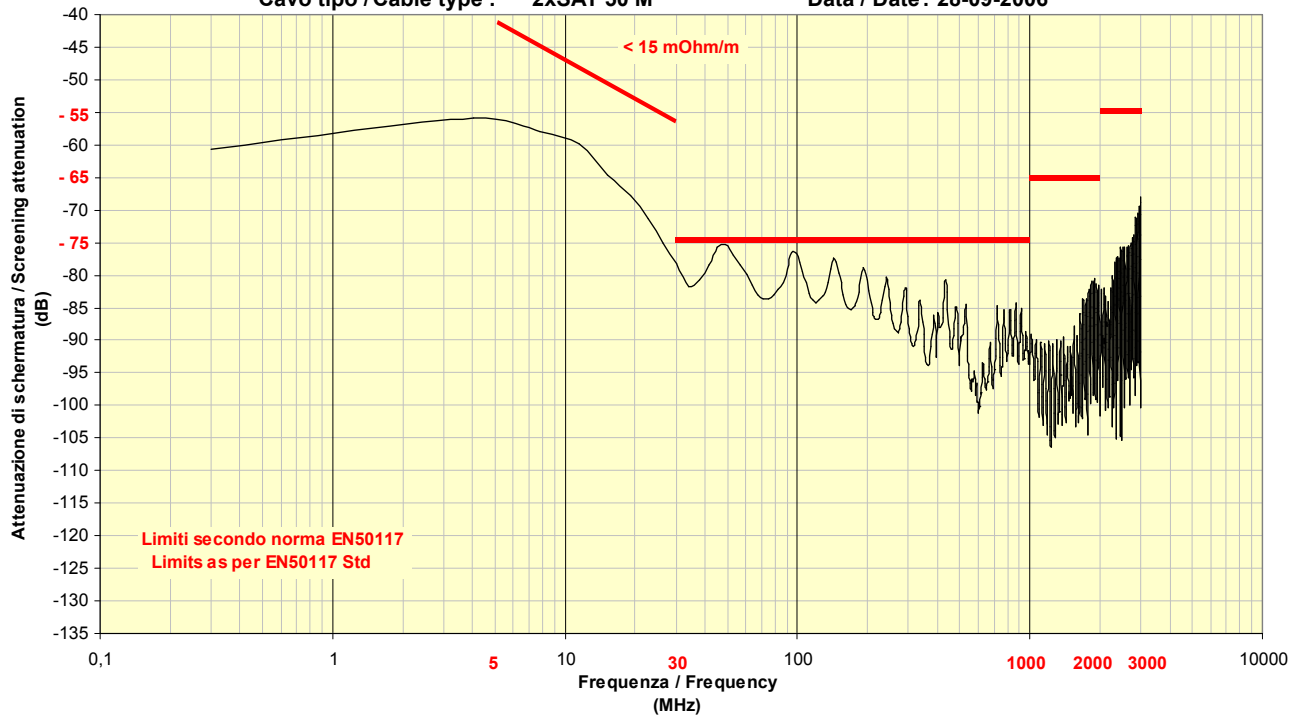
Giuseppe Guastella

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**Data Sheet****2XSAT50M****Attenuazione di schermatura / Screening Attenuation****Cavo classe B / B Class Cable**Cavo tipo / Cable type : **2xSAT 50 M**

Data / Date : 28-09-2006

**Connector**

- FA703** F male twist-on connector for indoor installation, nitin-plated brass - 22,0 x 12,0 mm
- F703** F male crimp connector for indoor installation, nitin-plated brass - 21,0 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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