

Description

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



Data Sheet

DKT-SAT2G



1,13 (Cu)	4,80 (PEG)	4,90 (Al/Pet/Al)	5,30 (CuSn)	6,60 (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 %
Diameter under Sheath		5,30 mm
Outer sheath of Polyvinylchloride - grey (RAL 7035) - lead-free (Q1B)	(PVC)	6,60 ± 0,10 mm

Printed each meter by black ink-jet :

CAVEL DKT SAT 2G GAS INJECTED 75 Ohm ass m

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

Electrical data

Characteristic impedance (@ 200 MHz)	75 ± 3	Ohm
Capacitance (@1kHz)	52 ± 2	pF/m
Velocity factor	85 %	
Outer conductor resistance	22	Ohm/km
Loop resistance	40	Ohm/km
Insulation voltage of the sheath (spark test)	3	kV
Maximum current (I _{eff})	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

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Date

11/07/2008

Responsible

PierPaolo Piccinini

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Coaxial Cables

CAVEL®

since 1968

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Attenuation (at 20°C):

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,90	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		

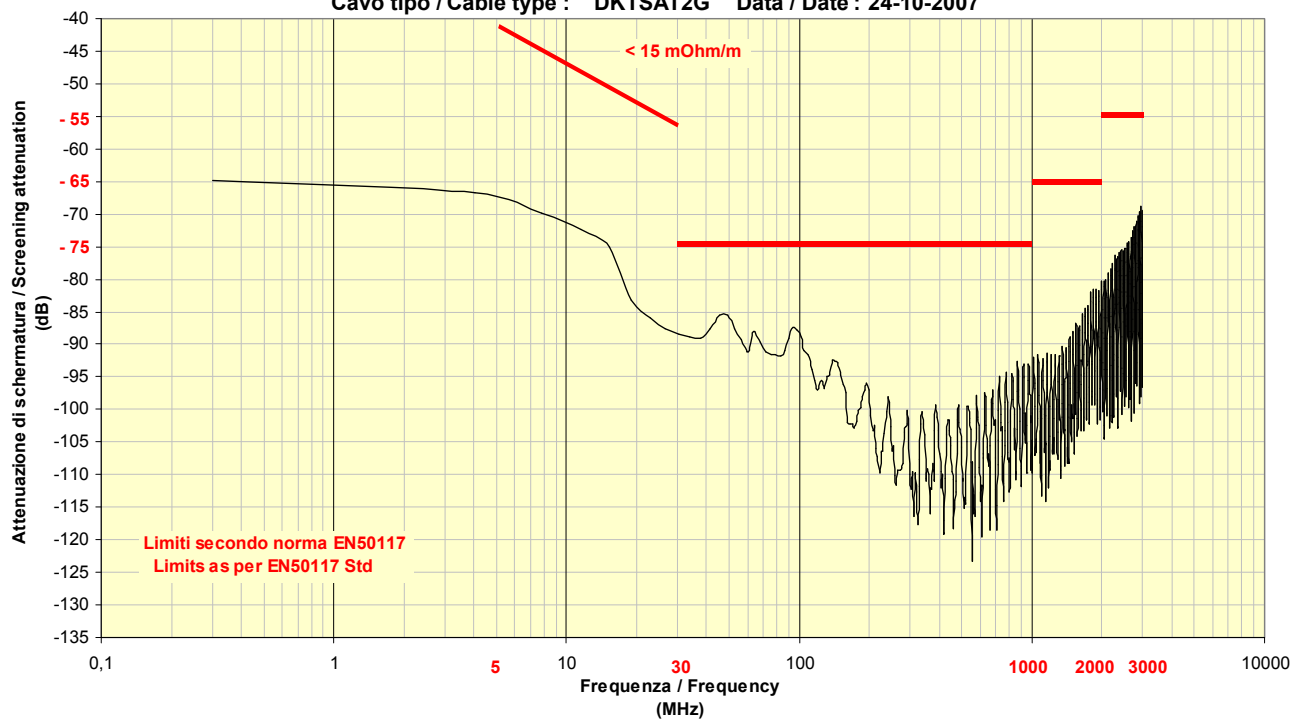
Mechanical data

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

Attenuazione di schermatura / Screening Attenuation

Cavo classe B / B Class Cable

Cavo tipo / Cable type : DKTSAT2G Data / Date : 24-10-2007



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