

Description

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

Coaxial Cables

CAVEL®

since 1968

Data Sheet

DKT-SAT1H



1,63 (Cu)	7,20 (PEG)	7,37 (Al/Pet/Al/Sur)	7,85 (CuSn)	10,10 (PVC)
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Constructive data

Inner conductor of plain copper	(Cu)	1,63 ± 0,03 mm
Dielectric of physical foam polyethylene	(PEG)	7,20 ± 0,10 mm
Aluminium/Polyester/Aluminium/Surlyne tape longitudinally overlapped and bonded to the dielectric	(Al/Pet/Al/Sur)	
Braid of tinned copper wires	(CuSn)	
Braid optical coverage (IEC 96-1)		63 %
Diameter under Sheath		7,85 mm
Outer sheath of Polyvinylchloride - white (PVQ1BI) - lead-free (Q1B)	(PVC)	10,10 ± 0,15 mm

Printed each meter by black ink-jet :

CAVEL DKT SAT1H GAS INJECTED 75 Ohm ass m

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

Electrical data

Characteristic impedance (@ 200 MHz)	75 ± 2	Ohm
Capacitance (@1kHz)	52 ± 2	pF/m
Velocity factor	85 %	
Outer conductor resistance	10	Ohm/km
Loop resistance	18,50	Ohm/km
Insulation voltage of the sheath (spark test)	5	kV
Maximum current (Ieff)	16,00	A

Structural return loss (SRL)

5 - 470 MHz	>30 dB
470 - 1000 MHz	>28 dB
1000 - 2000 MHz	>23 dB
2000 - 3000 MHz	>20 dB

Screening attenuation (SA)

30 - 1000 MHz	>85 dB
1000 - 2000 MHz	>100 dB
2000 - 3000 MHz	>90 dB

Transfer impedance

5 - 30 MHz < 1,1 mOhm/m

ITALIANA CONDUTTORI s.r.l.

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

Date

15/07/2010

Responsible

PierPaolo Piccinini

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Attenuation (at 20°C):

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,10	862	11,90
10	1,50	1000	12,80
30	2,20	1750	17,90
50	2,80	2150	19,80
200	5,60	2400	21,00
300	6,90	3000	24,00
470	8,80		

Mechanical data

Weight of copper conductors	34,90	kg/km
Total weight of cable	95,70	kg/km
Minimum bending radius (single/repetead bending)	100	mm
Max. cable pulling strenght	300	N

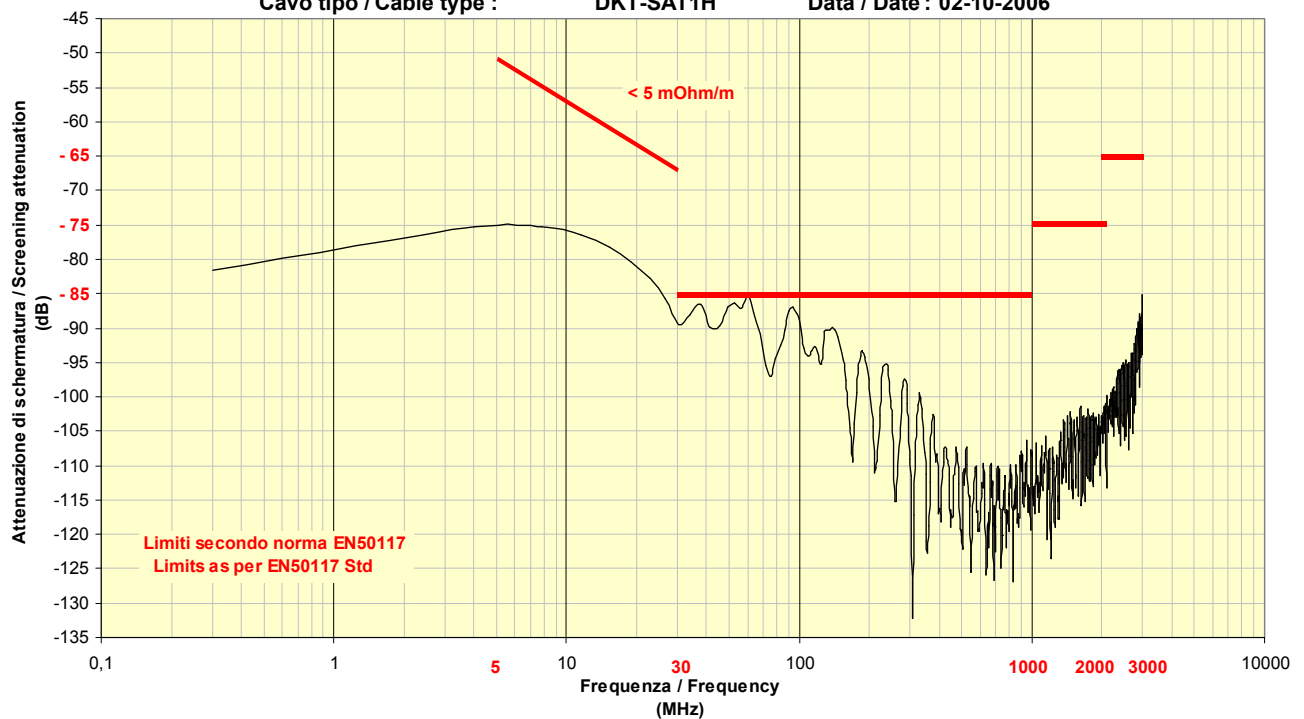
Attenuazione di schermatura / Screening Attenuation

Cavo classe A / A Class Cable

Cavo tipo / Cable type :

DKT-SAT1H

Data / Date : 02-10-2006



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