

**Description**

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



**Data Sheet**

**DKT-SAT2S**



1,13	4,80	4,90	5,30	6,80
(Cu)	(PEG)	(Al/Pet/Al)	(CuSn)	(PE)

**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 Polyethylene - black - with carbonblack (Q4)	(PE)	6,80 ± 0,10	mm

Printed each meter by yellow ink-jet :

**CAVEL DKT SAT 2S 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)	8	kV
Maximum current (Ieff)	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

**ITALIANA CONDUTTORI s.r.l.**

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

**Date**

11/07/2008

**Responsible**

PierPaolo Piccinini

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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		

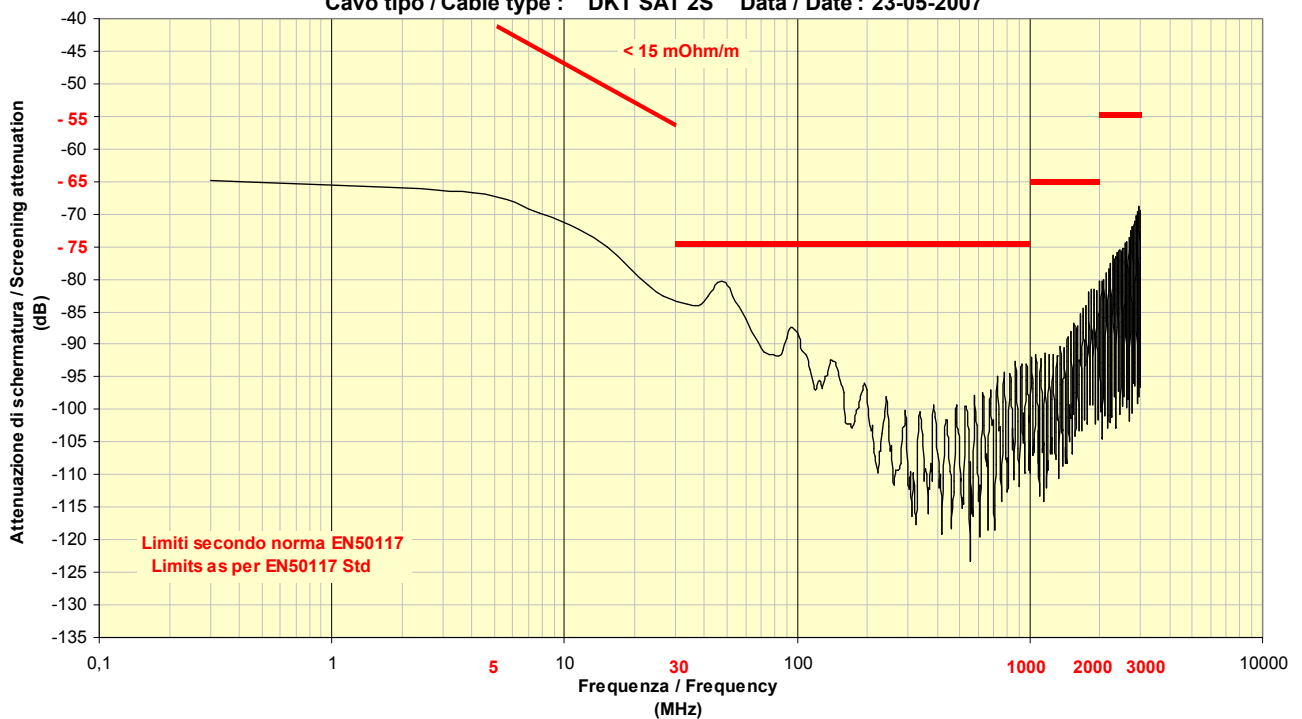
**Mechanical data**

Weight of copper conductors	14,45	kg/km
Total weight of cable	36,97	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 : DKT SAT 2S Data / Date : 23-05-2007



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