

Description

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



Data Sheet

DKT-SAT4S



0,80 (Cu)	3,50 (PEG)	3,60 (Al/Pet/Al)	4,00 (CuSn)	5,20 (PE)
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Constructive data

Inner conductor of plain copper	(Cu)	0,80 ± 0,02 mm
Dielectric of physical foam polyethylene	(PEG)	3,50 ± 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)		47 %
Diameter under Sheath		4,00 mm
Outer sheath of Polyethylene - black - with carbonblack (Q4)	(PE)	5,20 ± 0,10 mm

Printed each meter by yellow ink-jet :

CAVEL DKT SAT 4S 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	26	Ohm/km
Loop resistance	61	Ohm/km
Insulation voltage of the sheath (spark test)	5	kV
Maximum current (Ieff)	4,00	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	>75 dB

Transfer impedance

5 - 30 MHz < 1,2 mOhm/m

ITALIANA CONDUTTORI s.r.l.

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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	2,30	862	23,30
10	2,80	1000	25,20
30	4,60	1750	34,50
50	5,60	2150	38,20
200	10,90	2400	40,40
300	13,70	3000	45,80
470	17,00		

Mechanical data

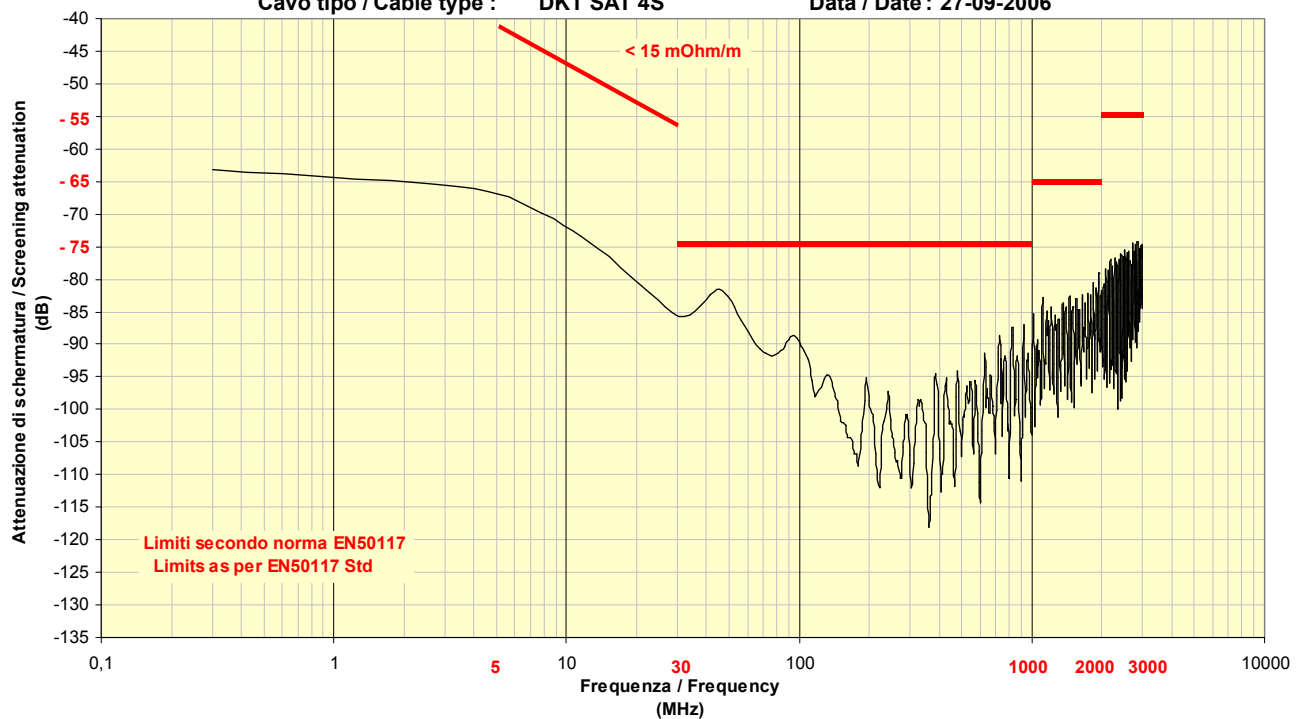
Weight of copper conductors	8,90	kg/km
Total weight of cable	22,10	kg/km
Minimum bending radius (single/repeated bending)	25/50	mm
Max. cable pulling strength	90	N

Attenuazione di schermatura / Screening Attenuation

Cavo classe B / B Class Cable

Cavo tipo / Cable type : DKT SAT 4S

Data / Date : 27-09-2006



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