

Description

Halogen free, low smoke emission and UV resistant coaxial cable - 75 Ohm
Security sheath of LSZH material (Screening Class A)

**Data Sheet****DKTMINI1/5ZH**

0,41 (FeCu)	1,90 (PEG)	2,07 (Al/Pet/Al/Sur)	2,47 (CuSn)	3,60 (LSZH)
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Constructive data

Inner conductor of copper clad steel	(FeCu)	0,41 ± 0,02 mm
Dielectric of physical foam polyethylene	(PEG)	1,90 ± 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)		70 %
Diameter under Sheath		2,47 mm
Outer sheath of Thermoplastic material - grey (RAL 7001) - halogen-free, flame retardant and UV-resistant (Q8)	(LSZH)	3,60 ± 0,10 mm

Printed each meter by black ink-jet :

CAVEL DKT MINI 1 - - - - 5 ZH**Electrical data**

Characteristic impedance (@ 200 MHz)		75 ± 3	Ohm
Capacitance (@1kHz)		55 ± 3	pF/m
Velocity factor		82 %	
Outer conductor resistance		30	Ohm/km
Loop resistance		340	Ohm/km
Insulation voltage of the sheath (spark test)		2,50	kV
Structural return loss (SRL)			
5 - 470 MHz	>29 dB		
470 - 1000 MHz	>27 dB		
1000 - 2000 MHz	>22 dB		
2000 - 3000 MHz	>18 dB		
Screening attenuation (SA)			Transfer impedance
30 - 1000 MHz	>90 dB	5 - 30 MHz	0,5 mOhm/m
1000 - 2000 MHz	>90 dB		
2000 - 3000 MHz	>80 dB		

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Date

08/09/2008

Responsible

PierPaolo Piccinini

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Attenuation (at 20°C):

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	3,80	862	45,10
10	5,40	1000	48,70
30	8,60	1750	65,40
50	10,60	2150	73,00
200	21,20	2400	77,40
300	26,20	3000	87,40
470	33,00		

Mechanical data

Weight of copper conductors	4,30	kg/km
Total weight of cable	16,00	kg/km
Minimum bending radius (single/repetead bending)	15/30	mm
Max. cable pulling strenght	120	N

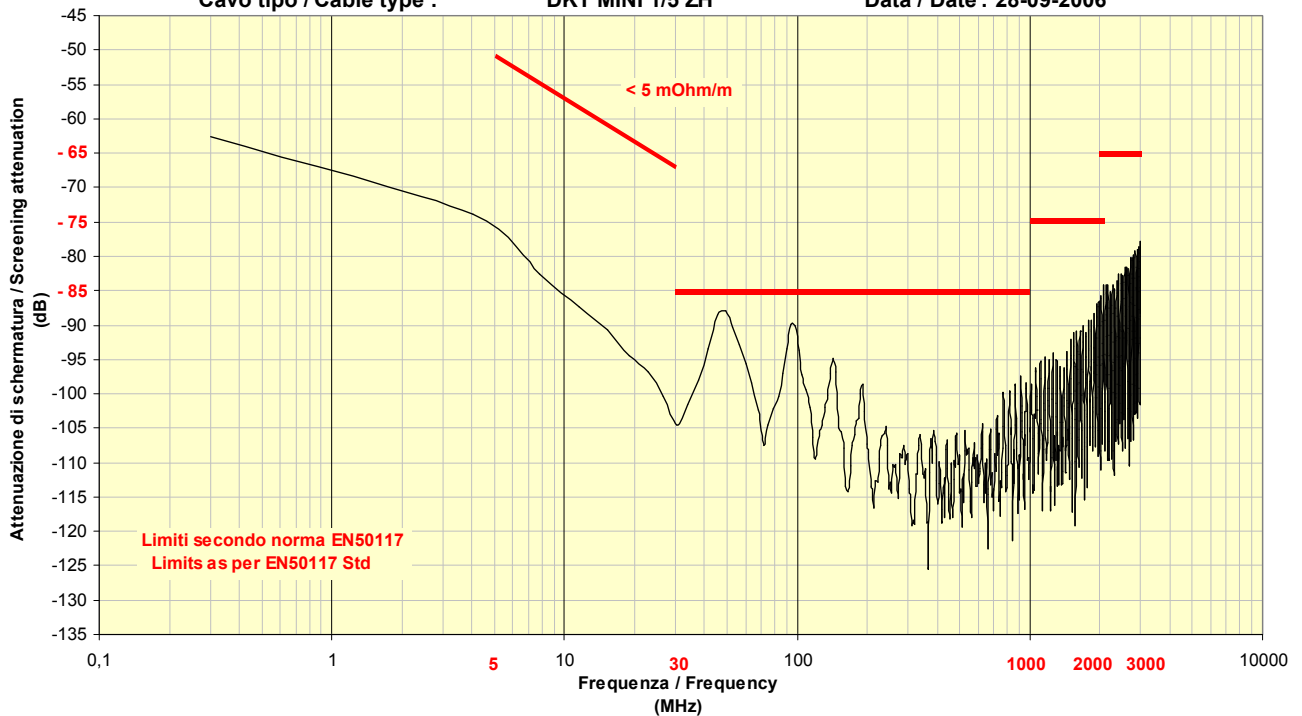
Attenuazione di schermatura / Screening Attenuation

Cavo classe A / A Class Cable

Cavo tipo / Cable type :

DKT MINI 1/5 ZH

Data / Date : 28-09-2006



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