

Description

Security video cable - 75 Ohm

LSZH UV resistant security video cable (Screening Class A)

Coaxial Cables

CAVEL®

since 1968

Data Sheet

VSHD70



Ø	0,70	2,90	3,00	3,40	4,30
	(Cu)	(PEG)	(Al/Pet/Al)	(CuSn)	(LSZH)

Construction data

Inner conductor of plain copper	(Cu)	0,70 ± 0,02 mm
Dielectric of physical foam polyethylene	(PEG)	2,90 ± 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)		73 %
Diameter under Sheath		3,40 mm
Outer sheath of Thermoplastic material - blue (RAL 5015) - halogen-free, low smoke, flame retardant and UV-resistant	(LSZH)	4,30 ± 0,10 mm

Printed each meter by blue ink-jet :

CAVEL VS HD 70 LSZH MADE IN ITALY 75 Ohm EN50117-2-4 CEI-UNEL 36762 C-4 (U0 =400V) ss/aa m

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

Electrical data

Characteristic impedance	200 MHz	75 ± 3	Ohm
Capacitance (@1kHz)		52 ± 2	pF/m
Velocity Factor		85 %	
Inner conductor resistance		45,50	Ohm/km
Outer conductor resistance		19,60	Ohm/km
Loop resistance		65,10	Ohm/km
Insulation voltage of the sheath (spark test)		2,50	kV
Maximum current (I _{eff})		3	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	>90 dB
1000 - 2000 MHz	>85 dB
2000 - 3000 MHz	>70 dB

Transfer impedance

5 - 30 MHz < 5,00 mOhm/m

ITALIANA CONDUTTORI s.r.l.

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Tel +39-382.815150 Fax +39-0382.814212

Date

19/12/2013

Responsible

Alberto Scardovi

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Attenuation (at 20°C)

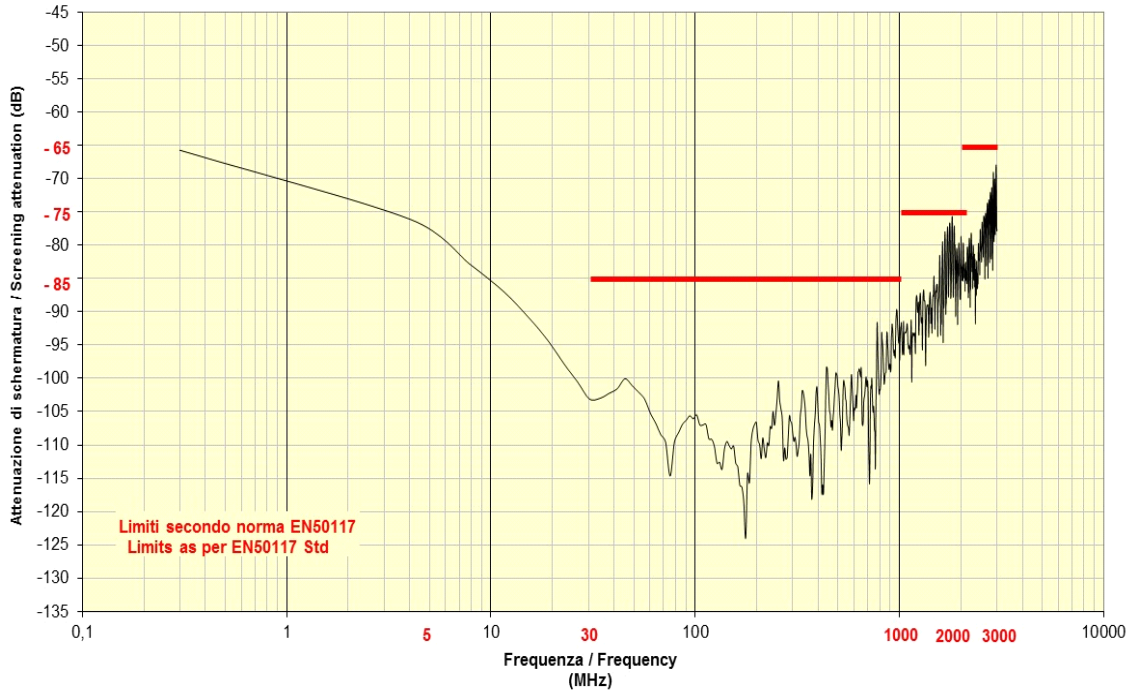
Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
2	1,60	5	2,50
3	1,90	200	13,00
4	2,20	862	27,80

Mechanical data

Weight of copper conductors	10,04	kg/km	
Total weight of cable	21,66	kg/km	
Minimum bending radius (single/repetead bending)	20/40	mm	
Maximum cable pulling strength	80	N	
Fire Load	245	MJ/km	68 kWh/km

Attenuazione di schermatura / Screening Attenuation

Cavo classe A / A Class Cable
Cavo tipo / Cable type: VS HD 70



Connector

BNCC3.3C	Series BNC Compression, BNC Compression, for outdoor installation
FA70	Serie F Twist-On, F Twist-On, for indoor installation, nitin-plated brass - 21,0 mm x 12,0 mm
F70	Series F Crimp, F Crimp, for indoor installation, nitin-plated brass - 21,0 mm x 12,0 mm
BNCC70	Series BNC Compression, BNC Compression, for outdoor installation

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