

Description

Security video cable - 75 Ohm

LSZH UV resistant security video cable (Screening Class A+)

Coaxial Cables

CAVEL®

since 1968

Data Sheet

VSHD113



Ø	1,13	4,80	4,90	5,30	6,60
	(Cu)	(PEG)	(Al/Pet/Al)	(CuSn)	(LSZH)

Construction 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)		72 %
Diameter under Sheath		5,30 mm
Outer sheath of Thermoplastic material - blue (RAL 5015) - halogen-free, flame retardant and UV-resistant	(LSZH)	6,60 ± 0,10 mm

Printed each meter by blue ink-jet :

CAVEL VS HD 113 LSZH MADE IN ITALY 75 Ohm EN50117-2-5 CEI-UNEL 36762 C-4 (U0 =400V) ss/aa

(ss=week, aa=year)

Electrical data

Characteristic impedance	200 MHz	75 ± 3	Ohm
Capacitance (@1kHz)		52 ± 2	pF/m
Velocity Factor		85 %	
Inner conductor resistance		18	Ohm/km
Outer conductor resistance		13,90	Ohm/km
Loop resistance		31,90	Ohm/km
Insulation voltage of the sheath (spark test)		3	kV
Maximum current (Ieff)		8	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	>95 dB
1000 - 2000 MHz	>90 dB
2000 - 3000 MHz	>80 dB

Transfer impedance

5 - 30 MHz <2,5 mOhm/m

ITALIANA CONDUTTORI s.r.l.

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

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18/12/2013

Responsible

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Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
2	1,00	5	1,60
3	1,20	200	8,00
4	1,40	862	17,10

Mechanical data

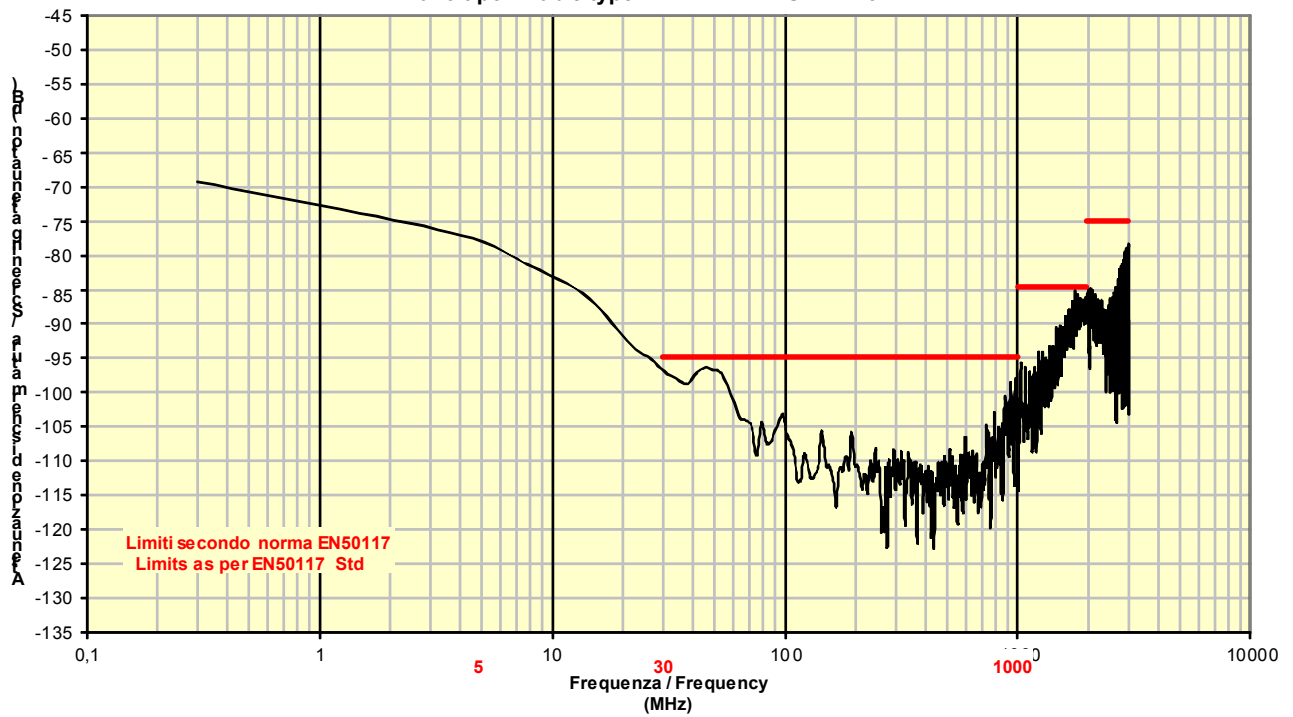
Weight of copper conductors	19,20	kg/km	
Total weight of cable	45,23	kg/km	
Minimum bending radius (single/repetead bending)	35/70	mm	
Maximum cable pulling strength	150	N	
Fire Load	572	MJ/km	159 kWh/km

Standards

Attenuazione di schermatura / Screening Attenuation

Cavo classe A+ / A+ Class Cable

Cavo tipo / Cable type : VS HD 113



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Data Sheet**VSHD113****Connector**

FA703	Serie F Twist-On, F Twist-On, for indoor installation, nitin-plated brass - 21,0 mm x 12,0 mm
F703	Series F Crimp, F Crimp, for indoor installation, nitin-plated brass - 21,0 mm x 12,0 mm
FR703	Series F Crimp, F crimp, "Rapid", for indoor installation
F90	Series F Crimp, F Crimp, for indoor installation
IECF5.1C	Series IEC (no tool), female, no tool, for indoor installation
IECM5.1C	Series IEC (no tool), male, no tool, for indoor installation
IECF90C	Series IEC (no tool), Ø 5,1 90° female, for indoor installation
IECM90C	Series IEC (no tool), Ø 5,1 90° male, for indoor installation
FCPO5.1C	Series F Compression, Ø 5,1 Push-On, for outdoor installation, nitin-plated brass
FC7.0QM	Series F Compression, Quick Mount, for outdoor installation
FC703	Series F Compression, F Compression, for outdoor installation, nitin-plated brass - 30,0 mm x 12,0 mm
IECF703	Serie IEC Compression, female, no tool, for outdoor installation
IECM703	Serie IEC Compression, male, for outdoor installation
BNCC703	Series BNC Compression, BNC Compression, for outdoor installation, nitin-plated brass - 35,0 mm x 14,0 mm

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