

Description

Video security cable - 75 Ohm with 2 electrical wires 1 mm²

LSZH UV resistant security video cable (Screening Class A)

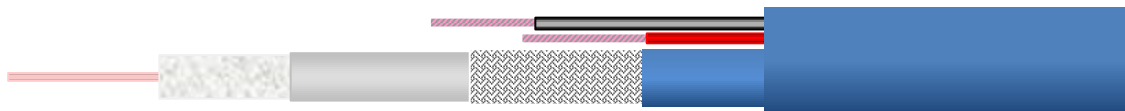
Coaxial Cables

CAVEL®

since 1968

Data Sheet

VSHD80210



Ø

1 mm²

6,80 x 9,90

(LSZH)

Class CPR acc. to UE 305/2011 (DoP)

E_{ca}

The cable can be used in the field of application of the Construction Product Regulation (DoP) UE nr. 305/2011 for the class of performance specified on the related product label.

Construction data

Attached Data Sheet	Sheath Colour
VSHD80	blue (RAL 5015)
CE26	black
CE27	red

Outer sheath of Thermoplastic material - blue (RAL 5015) - (LSZH) Ø 9,90 x 6,80 ± 0,10 mm
 halogen-free, low smoke, flame retardant and UV-resistant

Printed each meter by blue ink-jet :

CAVEL VS HD 80210 LSZH MADE IN ITALY 1000 V 75 Ohm Euroclass Eca gggaan - m

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

Physical data

Weight of copper conductors	27,80	kg/km
Total weight of cable	75,00	kg/km
Minimum installation temperature	-5	°C
Operating temperature	-25 / +80	°C

Electrical data

Loop Resistance electrical wires	36	Ohm/km
Sheat Insulation voltage (spark test)	1	kV

Connectors

BNCC3.9C	Series BNC Compression, BNC Compression, for OUTDOOR installation
BNCC501	Series BNC Compression, BNC Compression, for OUTDOOR installation, nitin-plated brass - 35,0 mm x 14,0 mm

ITALIANA CONDUTTORI s.r.l.

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

Date

29/02/2016

Responsible

Alberto Scardovi

Description

Outdoor drop coaxial cable - 75 Ohm

LSZH UV resistant security video cable (Screening Class A)

Coaxial Cables

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since 1968

Data Sheet

VSHD80

VSHD80210



Ø	0,80	3,50	3,60	4,00	5,00
	(Cu)	(PEG)	(Al/Pet/Al)	(CuSn)	(LSZH)

Class CPR acc. to UE 305/2011 (DoP)

D_{ca} s2 d2 a1

The cable can be used in the field of application of the Construction Product Regulation (DoP) UE nr. 305/2011 for the class of performance specified on the related product label.

Construction data

Inner conductor of plain copper	(Cu)	Ø 0,80 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	Ø 3,50 ± 0,10	mm
Aluminium/Polyester/Aluminium tape longitudinally overlapped	(Al/Pet/Al)		
Water repellent sealing (dielectric)	(Jelly1)		
Braid of tinned copper wires	(CuSn)		
Braid optical coverage (IEC 96-1)		65	%
Diameter over Braid		Ø 4,00	mm
Outer sheath of Thermoplastic material - blue (RAL 5015) - halogen-free, low smoke, flame retardant and UV-resistant	(LSZH)	Ø 5,00 ± 0,10	mm

Printed each meter by blue ink-jet :

CAVEL VS HD 80 LSZH MADE IN ITALY 75 Ohm Euroclass Dca s2,d2,a1 EN50117-2-5 CEI-UNEL 36762 C-4 (U0 = 400V) gggaan m

(gggaan=batch number m=meter marking)

Physical data

Weight of copper conductors	11,13	kg/km
Total weight of cable	26,60	kg/km
Minimum bending radius (single/repeated bending)	25/50	mm
Maximum cable pulling strength	90	N
Minimum installation temperature	-5	°C
Operating temperature	-25 / +80	°C

Electrical data

Characteristic impedance	200 MHz	75 ± 3	Ohm
Capacitance (@1kHz)		52 ± 2	pF/m
Velocity Ratio		85 %	
Inner conductor resistance		35	Ohm/km
Outer conductor resistance		18,60	Ohm/km
Loop resistance		53,60	Ohm/km
Sheat Insulation voltage (spark test)		2,50	kV
Maximum current (I _{eff})		4	A
Maximum Operating Range analog/digital		1000 / 250	m

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Outdoor drop coaxial cable - 75 Ohm

LSZH UV resistant security video cable (Screening Class A)



Data Sheet

VSHD80
VSHD80210

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)

SA-Class A

Shield Transfer Impedance (Zt)

Zt-Class B

30 - 1000 MHz	>90 dB
1000 - 2000 MHz	>75 dB
2000 - 3000 MHz	>65 dB

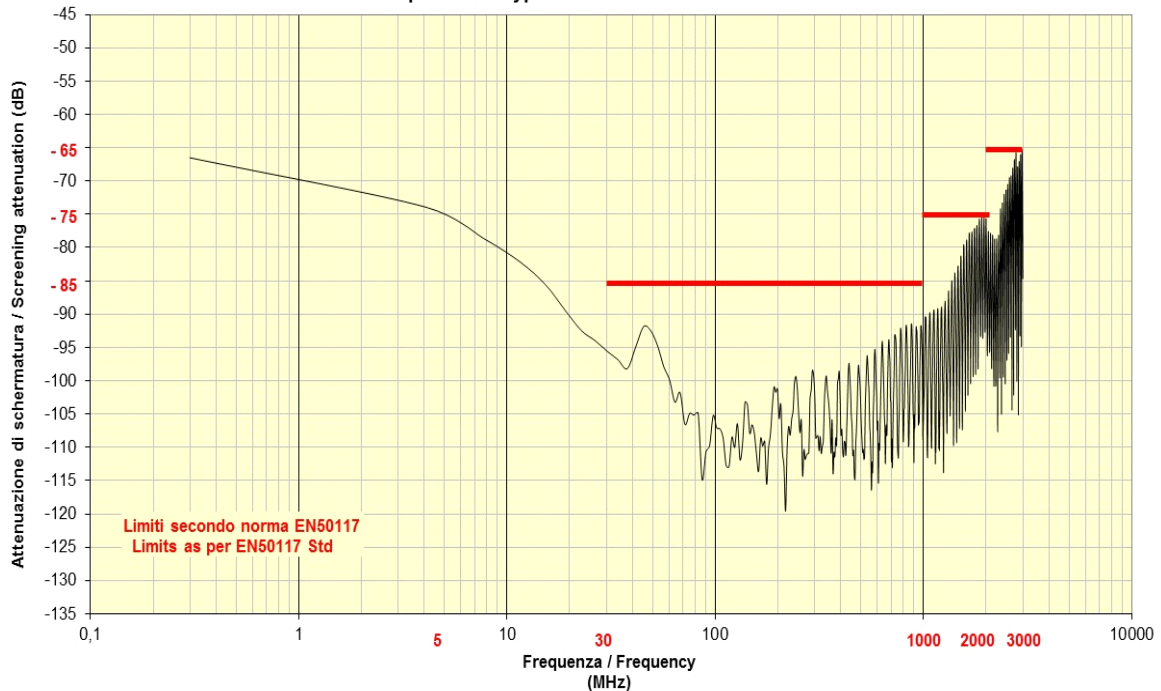
5 - 30 MHz

< 9 mΩ/m

Attenuazione di schermatura / Screening Attenuation

Cavo classe A / A Class Cable

Cavo tipo / Cable type : **VS HD 80**



Connectors

BNCC3.9C

Series BNC Compression, BNC Compression, for OUTDOOR installation

BNCC501

Series BNC Compression, BNC Compression, for OUTDOOR installation, nitin-plated brass - 35,0 mm x 14,0 mm

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DescriptionElectrical wire 1 mm²

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Data Sheet**CE26**
VSHD80210

32x0,193



Ø	1,13 (Cu)	2,55 (LSZH)
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Construction data

Electrical conductor of stranded bare copper wires	1,00 mm ²	(Cu)	32x0,193	Ø 1,13	mm
Outer sheath of Thermoplastic material - black - halogen-free, low smoke, flame retardant and UV-resistant		(LSZH)		Ø 2,55	mm

Physical data

Weight of copper conductors				8,30	kg/km
Total weight of cable				15,20	kg/km

Electrical data

Inner conductor resistance			18	Ohm/km
Maximum current			12	A

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Responsible

Alberto Scardovi

DescriptionElectrical wire 1 mm²**Data Sheet****CE27**
VSHD80210

32x0,193



Ø	1,13 (Cu)	2,55 (LSZH)
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Construction data

Electrical conductor of stranded bare copper wires	1,00 mm ²	(Cu)	32x0,193	Ø 1,13	mm
Outer sheath of Thermoplastic material - red (RAL 3000) - halogen-free, low smoke, flame retardant and UV-resistant		(LSZH)		Ø 2,55	mm

Physical data

Weight of copper conductors	8,30	kg/km
Total weight of cable	15,20	kg/km

Electrical data

Conductor resistance @ 20°C	18	Ohm/km
Maximum current	12	A

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