

## Description

Video security cable - 75 Ohm with 2 electrical wires 1 mm<sup>2</sup>

LSZH UV resistant security video cable

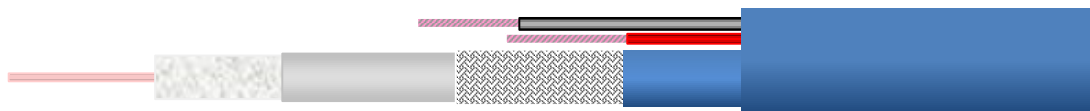
Coaxial Cables

CAVEL®

since 1968

Data Sheet

VSHD80210



Ø

1 mm<sup>2</sup>

6,80 x 9,90

(LSZH)

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

Eca

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.

## Attached Data Sheet

## Sheath Colour

VSHD80	blue (RAL 5015)
CE26	black
CE27	red

Outer sheath of Thermoplastic material - blue (RAL 5015) - halogen-free, low smoke, flame retardant and UV-resistant

(LSZH)

Ø 9,90 x 6,80 ± 0,10

mm

Printed each meter by blue ink-jet :

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

(gggaan=batch number 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

<b>BNCC3.9C</b>	Series BNC Compression, BNC Compression, for OUTDOOR installation
<b>BNCC501</b>	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

Coaxial Cables

CAVEL®

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)

Dca 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 (Ieff)		4	A
Maximum Operating Range analog/digital		1000 / 250	m
Structural return loss (SRL)			

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Outdoor drop coaxial cable - 75 Ohm

LSZH UV resistant security video cable



**Data Sheet**

**VSHD80**

VSHD80210

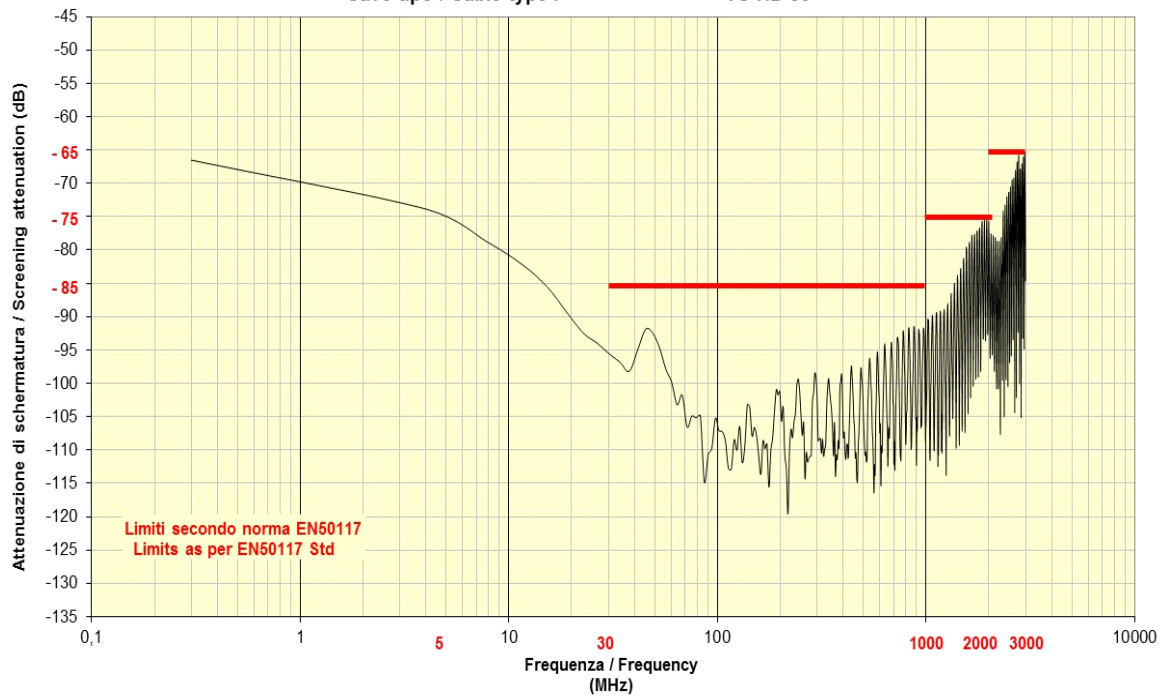
5 - 470 MHz	>30 dB
470 - 1000 MHz	>28 dB
1000 - 2000 MHz	>26 dB
2000 - 3000 MHz	>22 dB

Screening Attenuation (SA)	SA-Class A	Shield Transfer Impedance (Zt)	Zt-Class B
30 - 1000 MHz	>90 dB	5 - 30 MHz	< 9 mΩ/m
1000 - 2000 MHz	>75 dB		
2000 - 3000 MHz	>65 dB		

**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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Description  
Electrical wire 1 mm<sup>2</sup>



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 <sup>2</sup>	(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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Description  
Electrical wire 1 mm<sup>2</sup>



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 <sup>2</sup>	(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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