

Description

Security video cable - 75 Ohm with 2 electrical wires 0,5 mm²

LSZH UV resistant security video cable

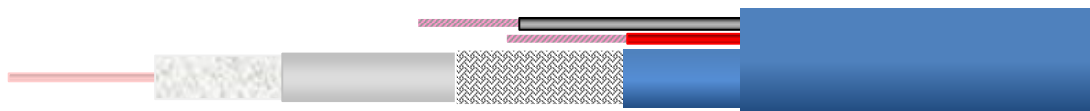
Coaxial Cables

CAVEL®

since 1968

Data Sheet

VSHD80205



Ø

6,50 x 8,30

(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)
CE22	black
CE23	red

Outer sheath of Thermoplastic material - blue (RAL 5015) - (LSZH) Ø 8,30 x 6,50 ± 0,10 mm
 halogen-free, low smoke, flame retardant and UV-resistant

Printed each meter by blue ink-jet :

CAVEL VS HD 80205 LSZH MADE IN ITALY 1000 V 75 Ohm Euroclass Eca gggaan - m

(gggaan=batch number m=meter marking)

Physical data

Weight of copper conductors	19,30	kg/km
Total weight of cable	56,30	kg/km
Minimum installation temperature	-5	°C
Operating temperature	-25 / +80	°C

Electrical data

Loop Resistance electrical wires	74	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

Coaxial Cables

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since 1968

Data Sheet

VSHD80

VSHD80205



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

VSHD80205

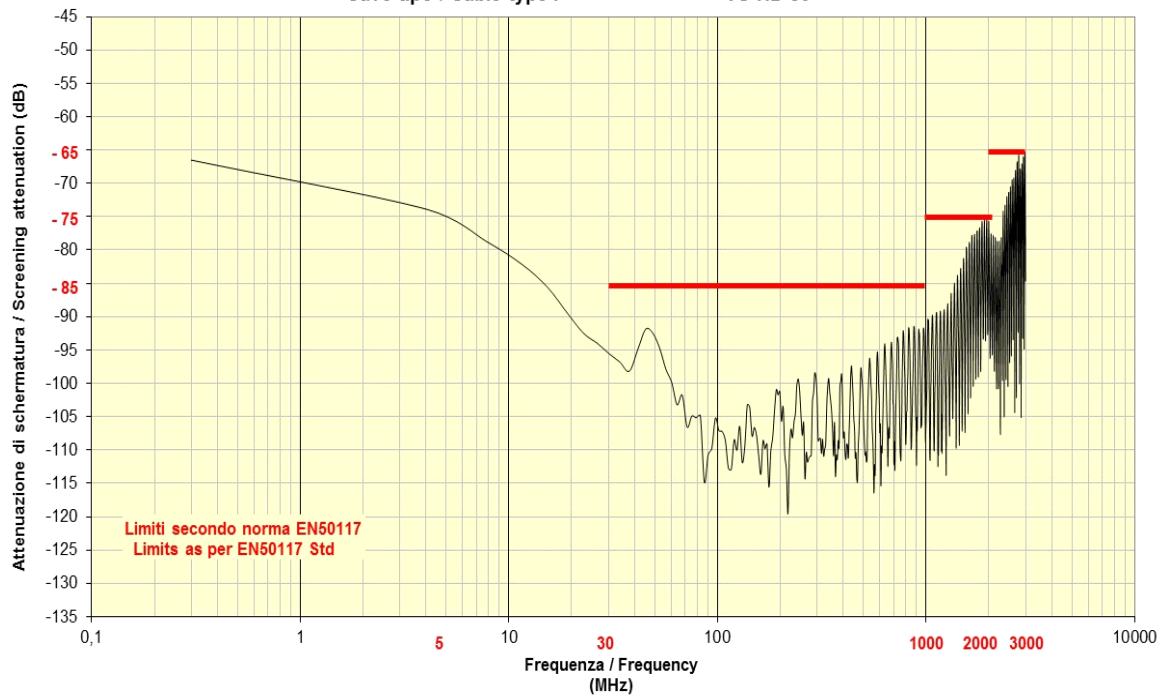
5 - 470 MHz	>30 dB
470 - 1000 MHz	>28 dB
1000 - 2000 MHz	>26 dB
2000 - 3000 MHz	>22 dB

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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DescriptionElectrical wire 0,5 mm²

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Data Sheet**CE22**

VSHD80205

16x0,193



Ø

0,80

(Cu)

1,80

(LSZH)

Construction data

Electrical conductor of stranded bare copper wires	0,50 mm ²	(Cu)	16x0,193	Ø 0,80	mm
Outer sheath of Thermoplastic material - black - halogen-free, low smoke, flame retardant and UV-resistant		(LSZH)		Ø 1,80	mm

Physical data

Weight of copper conductors				4,10	kg/km
Total weight of cable				7,60	kg/km

Electrical data

Conductor resistance @ 20°C				39	Ohm/km
Maximum current (I _{eff})				6	A

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DescriptionElectrical wire 0,5 mm²**Data Sheet**
CE23
 VSHD80205

16x0,193



∅	0,80	1,80
	(Cu)	(LSZH)

Construction data

Electrical conductor of stranded bare copper wires 0,50 mm ²	(Cu)	16x0,193	∅ 0,80	mm
Outer sheath of Thermoplastic material - red (RAL 3000) - halogen-free, low smoke, flame retardant and UV-resistant	(LSZH)		∅ 1,80	mm

Physical data

Weight of copper conductors	4,10	kg/km
Total weight of cable	7,60	kg/km

Electrical data

Inner conductor resistance	39	Ohm/km
Maximum current	6	A

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