

Description

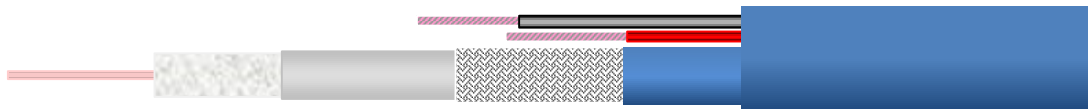
Video security cable - 75 Ohm with 2 electrical wires 1 mm²

LSZH UV resistant security video cable



Data Sheet

VSHD40210



Ø

6,80 x 7,80

(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
VSHD40	blue (RAL 5015)
CE26	black
CE27	red

Outer sheath of Thermoplastic material - blue (RAL 5015) - (LSZH) Ø 7,80 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 40210 LSZH MADE IN ITALY 1000 V 75 Ohm Euroclass Eca gggaan - m

(gggaan=batch number m=meter marking)

Physical data

Weight of copper conductors	22,00	kg/km
Total weight of cable	64,10	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

- BNCC40** Series BNC Compression, BNC Compression, for OUTDOOR installation
- BNCCEM3C** Series BNC Compression, BNC Compression, for OUTDOOR installation

ITALIANA CONDUTTORI s.r.l.

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

Date

06/07/2016

Responsible

Alberto Scardovi

Description

Security video cable - 75 Ohm

LSZH UV resistant security video cable

Coaxial Cables

CAVEL®

since 1968

Data Sheet

VSHD40

VSHD40210



Ø	0,42	1,90	2,07	2,47	3,60
	(Cu)	(PEG)	(Al/Pet/Al/Sur)	(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.

Reaction to Fire

EN 50575

Construction data

Inner conductor of plain copper	(Cu)	Ø 0,42 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	Ø 1,90 ± 0,10	mm
Aluminum/Polyester/Aluminum/Surlyne tape longitudinally overlapped and bonded to the dielectric	(Al/Pet/Al/Sur)		
Braid of tinned copper wires	(CuSn)		
Braid optical coverage (IEC 96-1)		70	%
Diameter over Braid		Ø 2,47	mm
Outer sheath of Thermoplastic material - blue (RAL 5015) - halogen-free, low smoke, flame retardant and UV-resistant	(LSZH)	Ø 3,60 ± 0,10	mm

Printed each meter by blue ink-jet :

CAVEL VS HD 40 LSZH MADE IN ITALY 75 Ohm Euroclass Dca s2,d2,a1 EN50117-2-5 CEI-UNEL 36762 C-4 (U0 = 400V) gggaa(n) m

(ggg=day)(aa=year)(n=batch) (m=meter marking)

Physical data

Weight of copper conductors	5,52	kg/km
Total weight of cable	16,08	kg/km
Minimum bending radius (single/repeated bending)	15/30	mm
Maximum cable pulling strength	50	N
Minimum installation temperature	-5	°C
Operating temperature	-25 / +80	°C

Electrical data

Characteristic impedance	200 MHz	75 ± 3	Ohm
Capacitance (@1kHz)		55 ± 3	pF/m
Velocity Ratio		82 %	
Inner conductor resistance		135	Ohm/km
Outer conductor resistance		30	Ohm/km
Loop resistance		165	Ohm/km
Sheat Insulation voltage (spark test)		2,50	kV
Maximum current		1	A

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29/02/2016

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Description

Security video cable - 75 Ohm

LSZH UV resistant security video cable



Data Sheet

VSHD40

VSHD40210

Maximum Operating Range analog/digital

400 / 80

m

Structural return loss (SRL)

5 - 470 MHz	>29 dB
470 - 1000 MHz	>27 dB
1000 - 2000 MHz	>22 dB
2000 - 3000 MHz	>18 dB

Screening Attenuation (SA)

SA-Class A

30 - 1000 MHz	>85 dB
1000 - 2000 MHz	>85 dB
2000 - 3000 MHz	>75 dB

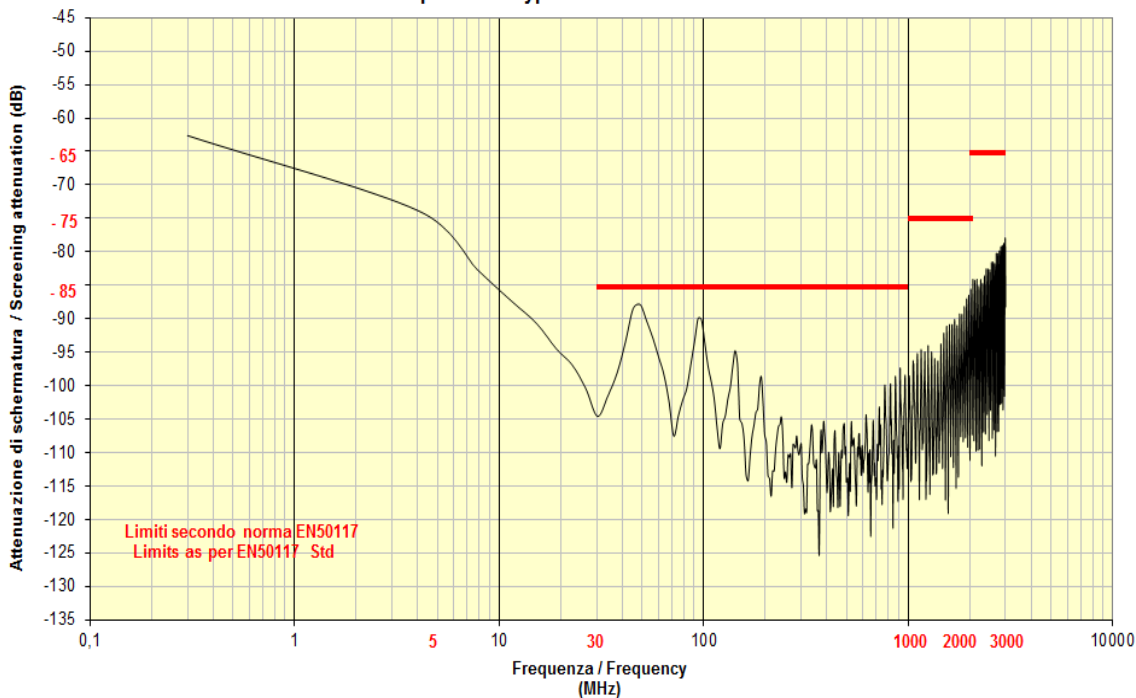
Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
2	2,40	5	3,80
3	2,90	200	21,20
4	3,40	862	45,10

Attenuazione di schermatura / Screening Attenuation

Cavo classe A / A Class Cable

Cavo tipo / Cable type : VS HD 40



Connectors

- BNCC40** Series BNC Compression, BNC Compression, for OUTDOOR installation
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Date

29/02/2016

Responsible

Alberto Scardovi

DescriptionElectrical wire 1 mm²**Data Sheet****CE26**
VSHD40210

32x0,193



∅	1,13	2,55
	(Cu)	(LSZH)

Construction data

Electrical conductor of stranded bare copper wires	1,00 mm ²	(Cu)	32x0,193	∅ 1,13	mm
Outer sheath of Thermoplastic material - black - halogen-free, low smoke, flame retardant and UV-resistant		(LSZH)		∅ 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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DescriptionElectrical wire 1 mm²**Data Sheet****CE27**
VSHD40210

32x0,193



Ø	1,13	2,55
	(Cu)	(LSZH)

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

ITALIANA CONDUTTORI s.r.l.Viale Zanotti 90 I - 27027 Gropello Cairoli
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29/02/2016

Responsible

Alberto Scardovi