

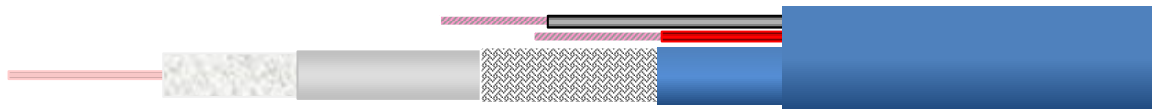
**Description**

Video security cable - 75 Ohm with 2 electrical wires 1 mm<sup>2</sup>  
 Indoor and Outdoor installation cable (Screening attenuation - Class A)



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.

**Standards**

EN50117-9-1

EN50117-10-1

CEI-UNEL 36762

**Reaction to Fire**

EN50575

**Application**

4K-UHD

EoC (Ethernet over Coax)

Indoor + Outdoor Installation

**Attached Data Sheet**

**Sheath Colour**

VSHD40	blue (RAL 5015)
CE26	black (RAL 9011)
CE27	red (RAL 3000)

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 40 210 LSZH MADE IN ITALY 75 Ohm Euroclass Eca EN50117-9-1 CEI-UNEL 36762 C-4 (U0 = 400V) gggaa(n) m**

(gggaan=batch number m=meter marking)

**Physical data**

Weight of copper conductors	22,10	kg/km
Total weight of cable	60,50	kg/km
Minimum installation temperature	-5	°C
Operating temperature	-20 / +80	°C

**Electrical data**

Loop Resistance electrical wires	74	Ohm/km
Sheat Insulation voltage (spark test)	2,50	kV
Maximum Operating Range analog/digital	500 / 250	m

**ITALIANA CONDUTTORI s.r.l.**

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

**Date**

11/09/2023

**Responsible**

A. Bergaglio

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

Indoor and Outdoor installation cable (Screening attenuation - Class A)



Data Sheet

**VSHD40210**

Maximum Operating Range analog/digital

500 / 250

m

**Connectors****BNCC40**

Series BNC Compression, BNC Compression, for OUTDOOR installation

**BNCCEM3C**

Series BNC Compression, BNC Compression, for OUTDOOR installation

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Responsible

A. Bergaglio

**Description**

Security video cable - 75 Ohm

Indoor and Outdoor installation cable (Screening attenuation - Class A)



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.

**Standards**

EN50117-9-1

EN50117-10-1

CEI-UNEL 36762

**Reaction to Fire**

EN 50575

**Application**

4K-UHD

EoC (Ethernet over Coax)

Indoor + Outdoor Installation

**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+Surlyn 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 EN50117-9-1 CEI-UNEL 36762 C-4 (U0 = 400V) gggaa(n) m**

(gggaan=batch number m=meter marking)

**Physical data**

Weight of copper conductors	5,52	kg/km
Total weight of cable	16,12	kg/km
Minimum bending radius (single/repeated bending)	15/30	mm
Maximum cable pulling strength	50	N
Minimum installation temperature	-5	°C
Operating temperature	-20 / +80	°C

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Date

08/09/2023

Responsible

A. Bergaglio

**Description**

Security video cable - 75 Ohm

Indoor and Outdoor installation cable (Screening attenuation - Class A)

**Data Sheet****VSHD40**  
VSHD40210**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
Maximum Operating Range analog/digital		500 / 250	m
Structural return loss (SRL)			
5 - 470 MHz	>25 dB		
470 - 1000 MHz	>21 dB		
1000 - 2000 MHz	>20 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

**Connectors**

<b>BNCC40</b>	Series BNC Compression, BNC Compression, for OUTDOOR installation
<b>BNCCEM3C</b>	Series BNC Compression, BNC Compression, for OUTDOOR installation

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08/09/2023

**Responsible**

A. Bergaglio

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

Coaxial Cables

**CAVEL**<sup>®</sup>

since 1968

**Data Sheet****CE26**

VSHD40210

32x0,193



Ø	1,13	2,55
	(Cu)	(LSZH)

**Application**

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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 (RAL 9011) - 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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**Date**

16/09/2021

**Responsible**

A. Bergaglio

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

Coaxial Cables

**CAVEL**<sup>®</sup>

since 1968

**Data Sheet****CE27**  
VSHD40210

32x0,193



Ø	1,13	2,55
	(Cu)	(LSZH)

**Application**

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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

**ITALIANA CONDUTTORI s.r.l.**Viale Zanotti 90 I - 27027 Gropello Cairoli  
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**Responsible**

A. Bergaglio