

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

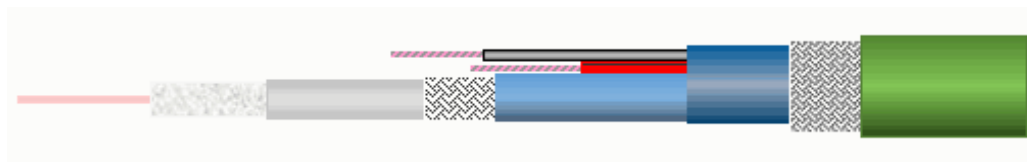
LSZH UV resistant security video cable

Coaxial Cables

CAVEL

since 1968

Data Sheet

VSHD80210ROD

Ø

9,50 x 12,00
(LSZH)**Application**

Indoor + Outdoor Installation

Attached Data Sheet	Sheath Colour
VSHD80210	blue (RAL 5015)
VSHD80	blue (RAL 5015)
CE26	black (RAL 9011)
CE27	red

Sheath armor in Thermoplastic material - green (RAL 6018) - (LSZH) Ø 9,50 x 12,00 ± 0,10 mm
 halogen-free, low smoke, flame retardant and UV-resistant

Sheath armor in Thermoplastic material - green (RAL 6018) - (LSZH) Ø 11,30 ± 0,20 mm
 halogen-free, low smoke, flame retardant

Printed each meter by blue ink-jet :

CAVEL VS HD 80210 RODENT LSZH MADE IN ITALY 1000 V 75 Ohm 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

ITALIANA CONDUTTORI s.r.l.Viale Zanotti 90 I - 27027 Gropello Cairoli
Tel +39-382.815150 Fax +39-0382.814212

Date

16/09/2021

Responsible

A. Bergaglio

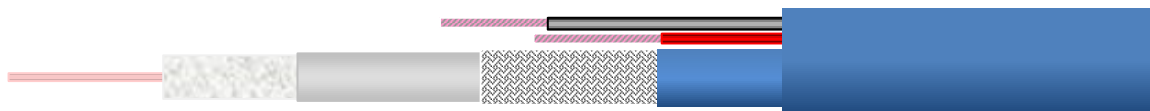
Description

Video security cable - 75 Ohm with 2 electrical wires 1 mm²
 Indoor and Outdoor installation cable (Screening attenuation - Class A)



Data Sheet

VSHD80210
 VSHD80210ROD



Ø 6,80 x 9,90
 1 mm² (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

VSHD80 blue (RAL 5015)
 CE26 black (RAL 9011)
 CE27 red (RAL 3000)

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 80 210 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	27,80	kg/km
Total weight of cable	74,30	kg/km
Minimum bending radius (single/repetead bending)	50 / 100	mm
Minimum installation temperature	-5	°C
Operating temperature	-20 / +80	°C

Electrical data

Loop Resitance electrical wires	36	Ohm/km
Sheat Insulation voltage (spark test)	2,50	kV

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

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

Coaxial Cables

CAVEL[®]

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Data Sheet**VSHD80210**

VSHD80210ROD

Sheat Insulation voltage (spark test)

2,50

kV

Maximum Operating Range analog/digital

1000 / 500

m

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Description

Outdoor drop coaxial cable - 75 Ohm

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

Coaxial Cables

CAVEL

since 1968

Data Sheet

VSHD80

VSHD80210ROD



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.

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 0,80 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	Ø 3,50 ± 0,10	mm
Aluminum/Polyester/Aluminum 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 EN50117-9-1 CEI-UNEL 36762 C-4 (U0 = 400V) gggaa(n) m

(gggaan=batch number m=meter marking)

Physical data

Weight of copper conductors	11,13	kg/km
Total weight of cable	26,80	kg/km
Minimum bending radius (single/repeated bending)	25/50	mm
Maximum cable pulling strength	90	N
Minimum installation temperature	-5	°C
Operating temperature	-20 / +80	°C

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Description

Outdoor drop coaxial cable - 75 Ohm

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

**Data Sheet****VSHD80**

VSHD80210ROD

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 / 500	m
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		
30 - 1000 MHz	>90 dB		
1000 - 2000 MHz	>75 dB		
2000 - 3000 MHz	>65 dB		
Transfer Impedance (Zt)	5 - 30 MHz		< 9 mΩ/m

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DescriptionElectrical wire 1 mm²

Coaxial Cables

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Data Sheet**CE26**

VSHD80210ROD

32x0,193



Ø	1,13	2,55
	(Cu)	(LSZH)

Application

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 (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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DescriptionElectrical wire 1 mm²

Coaxial Cables

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Data Sheet**CE27**

VSHD80210ROD

32x0,193



Ø	1,13	2,55
	(Cu)	(LSZH)

Application

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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