

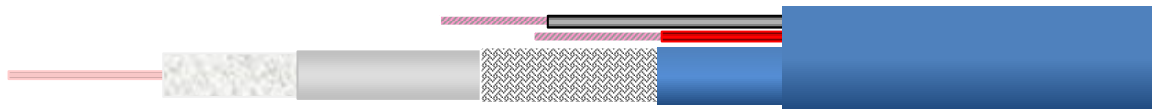
Description

Security video cable - 75 Ohm with 2 electrical wires 0,5 mm²
 Indoor and Outdoor installation cable (Screening attenuation - Class A)



Data Sheet

VSHD70205



Ø 6,35 x 7,75 (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

EN 50575

Application

4K-UHD

EoC (Ethernet over Coax)

Indoor + Outdoor Installation

Attached Data Sheet

Sheath Colour

VSHD70	blue (RAL 5015)
CE22	black (RAL 9011)
CE23	red (RAL 3000)

Outer sheath of Thermoplastic material - blue (RAL 5015) - (LSZH) Ø 7,75 x 6,35 ± 0,10 mm
 halogen-free, low smoke, flame retardant and UV-resistant
 Printed each meter by blue ink-jet :

CAVEL VS HD 70 205 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	18,20	kg/km
Total weight of cable	47,20	kg/km
Minimum bending radius (single/repetead bending)	40 / 80	mm
Minimum installation temperature	-5	°C
Operating temperature	-20 / +80	°C

Electrical data

Loop Resitance electrical wires	74	Ohm/km
Sheat Insulation voltage (spark test)	2,50	kV

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

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

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



Data Sheet

VSHD70205

Sheat Insulation voltage (spark test)	2,50	kV
Maximum Operating Range analog/digital	800 / 400	m

Connectors

- BNCC3.3C** Series BNC Compression, BNC Compression, for OUTDOOR installation
- BNCC70** Series BNC Compression, BNC Compression, for OUTDOOR installation
- CS70** Stripper for Drop Cables, just for DG70, VSHD70, Tools -

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Description

Security video cable - 75 Ohm

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



Data Sheet

VSHD70
VSHD70205



Ø	0,70	3,00	3,10	3,50	4,40
	(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 0,70 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	Ø 3,00 ± 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)		72	%
Diameter over Braid		Ø 3,50	mm
Outer sheath of Thermoplastic material - blue (RAL 5015) - halogen-free, low smoke, flame retardant and UV-resistant	(LSZH)	Ø 4,40 ± 0,10	mm

Printed each meter by blue ink-jet :

CAVEL VS HD 70 LSZH MADE IN ITALY 75 Ohm Euroclass Dca s2,d2,a1 EN50117-9-2 CEI-UNEL 36762 C-4 (U0 = 400V) gggaa(n) m

(gggaan=batch number m=meter marking)

Physical data

Weight of copper conductors	10,05	kg/km
Total weight of cable	21,80	kg/km
Minimum bending radius (single/repeated bending)	20/40	mm
Maximum cable pulling strength	80	N
Minimum installation temperature	-5	°C
Operating temperature	-20 / +80	°C

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Description

Security video cable - 75 Ohm

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



Data Sheet

VSHD70
VSHD70205

Electrical data

Characteristic impedance	200 MHz	75 ± 3	Ohm
Capacitance (@1kHz)		52 ± 2	pF/m
Velocity Ratio		85 %	
Inner conductor resistance		45,50	Ohm/km
Outer conductor resistance		19,60	Ohm/km
Loop resistance		65,10	Ohm/km
Sheat Insulation voltage (spark test)		2,50	kV
Maximum current (Ieff)		3	A
Maximum Operating Range analog/digital		800 / 400	m
Structural return loss (SRL)			
5 - 470 MHz	>28 dB		
470 - 1000 MHz	>28 dB		
1000 - 2000 MHz	>26 dB		
2000 - 3000 MHz	>22 dB		

Screening Attenuation (SA)	SA-Class A	Transfer Impedance (Zt)	
30 - 1000 MHz	>90 dB	5 - 30 MHz	< 7 mOhm/m
1000 - 2000 MHz	>75 dB		
2000 - 3000 MHz	>67 dB		

Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
2	1,60	5	2,50
3	1,90	200	13,00
4	2,20	862	27,80

Connectors

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- BNCC70** Series BNC Compression, BNC Compression, for OUTDOOR installation
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Date

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Responsible

A. Bergaglio

DescriptionElectrical wire 0,5 mm²

Coaxial Cables

CAVEL[®]

since 1968

Data Sheet**CE22**

VSHD70205

16x0,193



Ø	0,80	1,80
	(Cu)	(LSZH)

Application

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 (RAL 9011) - 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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01/09/2022

Responsible

A. Bergaglio

DescriptionElectrical wire 0,5 mm²

Coaxial Cables

CAVEL[®]

since 1968

Data Sheet**CE23**
VSHD70205

16x0,193



Ø	0,80	1,80
	(Cu)	(LSZH)

Application

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 - red (RAL 3000) - 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

Inner conductor resistance	39	Ohm/km
Maximum current	6	A

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