

## Description

Videosurveillance LAN Cable with 2 electrical wires 0,5 mm<sup>2</sup>

Cat.5e U/UTP 4x2xAWG24/1 LSZH

Coaxial Cables

CAVEL®

since 1968

## Data Sheet

VS540205



Ø	0,51	0,90	5,10	8,30x6,50
	(Cu)	(PE)	(LSZH)	(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.

## Reaction to Fire

EN50575

## Construction data

4 pairs with conductor of bare copper wires	(Cu)	Ø 0,51	mm
Insulation of solid Polyethylene	(PE)	Ø 0,90	mm

## Attached Data Sheet

## Sheath Colour

VS540	blue (RAL 5015)
CE22	black
CE23	red

Inner sheath of Thermoplastic material blue (RAL 5015) (LSZH) 5,10 mm  
halogen-free, low smoke, flame retardant and UV-resistant

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

Printed each meter by blue ink-jet :

**CAVEL VS 540205 LSZH MADE IN ITALY CAT 5E U/UTP 4x2xAWG24 - Euroclass Eca ISO-IEC 11801  
EN50173 CEI-UNEL 36762 C-4 (U0 = 400V) gggaan m**

(gggaan=batch number m=meter marking)

Electrical copper-wire with sheath in polyethylene - Cross-Section: 0,5 mm<sup>2</sup>

## Physical data

Weight of copper conductors	22,52	kg/km
Total weight of cable	61,60	kg/km
Installation temperature	0 / +50	°C
Operating temperature	-20 / +60	°C

## Electrical data

Loop Resistance electrical wires	74	Ohm/km
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## ITALIANA CONDUTTORI s.r.l.

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

## Date

20/06/2017

## Responsible

Alberto Scardovi

## Description

Videosurveillance LAN Cable

Cat.5e U/UTP 4x2xAWG24/1 LSZH

Coaxial Cables

CAVEL®

since 1968

## Data Sheet

VS540

VS540205



Ø	0,51	0,90	5,10
	(Cu)	(PE)	(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

EIA-TIA 568A	ISO/IEC 11801/2° ed	IEC 61156-5	EN 50173
EN 50288-3-1			

## Reaction to Fire

IEC 60332-1	EN50575
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## Construction data

4 pairs with conductor of bare copper wires	(Cu)	Ø 0,51	mm
Insulation of solid Polyethylene	(PE)	Ø 0,90	mm

## Composition

Twisted pairs, coloured by Standard TIA-568A

Outer sheath of Thermoplastic material - blue (RAL 5015) - halogen-free, low smoke, flame retardant and UV-resistant	(LSZH)	Ø 5,10	mm
Printed each meter by blue ink-jet :			

**CAVEL VS 540 LSZH MADE IN ITALY CAT 5E U/UTP 4x2xAWG24 - Euroclass Eca ISO-IEC 11801 EN50173  
CEI-UNEL 36762 C-4 (U0 = 400V) gggaan - m**

(gggaan=batch number m=meter marking)

## Physical data

Weight of copper conductors	14,32	kg/km
Total weight of cable	31,58	kg/km
Minimum bending radius (installation/operation)	40/20	mm
Maximum tensile strength during the installation	100	N
Installation temperature	0 / +50	°C
Operating temperature	-20 / +60	°C

## Electrical data

Characteristic impedance	1 - 100 MHz	100 ± 15	Ohm
Capacitance of Twisted Pair (@800Hz)		48	pF/m
Velocity Ratio		67 %	

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**Description**

Videosurveillance LAN Cable

Cat.5e U/UTP 4x2xAWG24/1 LSZH

**Data Sheet****VS540**

VS540205

Velocity Ratio	67 %	
DC Conductor Resistance	95	Ohm/km
Loop resistance	190	Ohm/km
Insulation resistance	> 2000	MOhm/km
Sheath Insulation Voltage (DC, 1 min)	1	kV

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Responsible

**Alberto Scardovi**

**Description**Electrical wire 0,5 mm<sup>2</sup>

Coaxial Cables

**CAVEL**<sup>®</sup>

since 1968

**Data Sheet****CE22**

VS540205

16x0,193



Ø

0,80

(Cu)

1,80

(LSZH)

**Construction data**

Electrical conductor of stranded bare copper wires	0,50 mm <sup>2</sup>	(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 <sub>eff</sub> )			6	A

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Date

29/02/2016

Responsible

Alberto Scardovi

**Description**Electrical wire 0,5 mm<sup>2</sup>**Data Sheet****CE23**  
VS540205

16x0,193



Ø	0,80 (Cu)	1,80 (LSZH)
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**Construction data**

Electrical conductor of stranded bare copper wires 0,50 mm <sup>2</sup>	(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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