

## Description

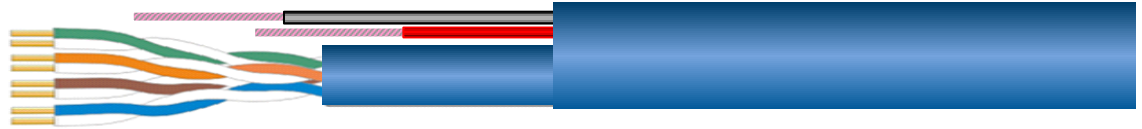
Videosurveillance LAN Cable with 2 electrical wires 1 mm<sup>2</sup>

Coaxial Cables

**CAVEL**

since 1968

## Data Sheet

**VS540210**

Ø	0,51	0,90	5,10	9,50x7,15
	(Cu)	(PE)	(LSZH)	(LSZH)

**Class CPR acc. to UE 305/2011 (DoP)**E<sub>ca</sub>

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.

**Fire-Resistance Rating**

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)
CE26	black
CE27	red

Inner sheath of Thermoplastic material blue (RAL 5015) halogen-free, low smoke, flame retardant and UV-resistant	(LSZH)	5,10	mm
Outer sheath of Thermoplastic material - blue (RAL 5015) - halogen-free, low smoke, flame retardant and UV-resistant	(LSZH)	Ø 9,50 x 7,15	mm

Printed each meter by blue ink-jet :

**CAVEL VS 540210 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: 1 mm<sup>2</sup>**Physical data**

Weight of copper conductors	29,23	kg/km
Total weight of cable	78,94	kg/km
Installation temperature	0 / +50	°C
Operating temperature	-20 / +60	°C

**Electrical data**

Loop Resistance electrical wires	36	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

Coaxial Cables

**CAVEL**

since 1968

## Data Sheet

**VS540**

VS540210



Ø	0,51	0,90	5,10
	(Cu)	(PE)	(LSZH)

**Class CPR acc. to UE 305/2011 (DoP)**E<sub>ca</sub>

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.

**Fire-Resistance Rating**

IEC 60332-1 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

**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
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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 %	
DC Conductor Resistance		95	Ohm/km
Loop resistance		190	Ohm/km

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## Date

20/06/2017

## Responsible

Alberto Scardovi

**Description**

Videosurveillance LAN Cable

**Data Sheet****VS540**

VS540210

Loop resistance	190	Ohm/km
Insulation resistance	> 2000	MOhm/km
Sheath Insulation Voltage (DC, 1 min)	1	kV

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Date

**20/06/2017**

Responsible

**Alberto Scardovi**

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

Coaxial Cables

**CAVEL**<sup>®</sup>

since 1968

**Data Sheet****CE26**

VS540210

32x0,193



Ø	1,13 (Cu)	2,55 (LSZH)
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**Fire-Resistance Rating**

IEC 60332-1                      EN50575

**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 - 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****29/02/2016****Responsible****Alberto Scardovi**

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

Coaxial Cables

**CAVEL**<sup>®</sup>

since 1968

**Data Sheet****CE27**

VS540210

32x0,193



Ø

1,13

(Cu)

2,55

(LSZH)

**Fire-Resistance Rating**

IEC 60332-1

EN50575

**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
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Total weight of cable	15,20	kg/km
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**Electrical data**

Conductor resistance @ 20°C	18	Ohm/km
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Maximum current	12	A
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