

DescriptionVideosurveillance LAN Cable with 2 electrical wires 0,5 mm²

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

EN 50575

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 ²
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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

**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	EN 50575
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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) - (LSZH) Ø 5,10 mm
halogen-free, low smoke, flame retardant and UV-resistant

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
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	

DescriptionElectrical wire 0,5 mm²**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 ²	(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 _{eff})	6	A

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Date

29/02/2016

Responsible

Alberto Scardovi

DescriptionElectrical wire 0,5 mm²**Data Sheet****CE23**

VS540205

16x0,193



Ø

0,80

(Cu)

1,80

(LSZH)

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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