

Description

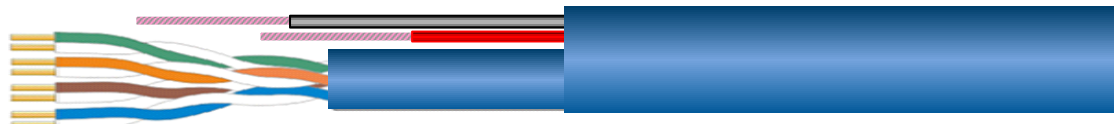
Videosurveillance LAN Cable with 2 electrical wires 0,5 mm²

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



Data Sheet

VS540205



Ø (mm)	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.

Standards

ISO/IEC 11801 Class D	EN50288-3-1	EN50173
EIA-TIA 568	CEI-UNEL 36762	

Reaction to Fire

EN 50575

Application

Indoor + Outdoor Installation

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 (RAL 9011)
CE23	red

Inner sheath of Thermoplastic material - blue (RAL 5015) - halogen-free, low smoke, flame retardant and UV-resistant	(LSZH)	Ø 5,10	mm
Outer sheath of Thermoplastic material - blue (RAL 5015) - halogen-free, low smoke, flame retardant and UV-resistant	(LSZH)	Ø 8,30 x 6,50	mm

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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ITALIANA CONDUTTORI s.r.l.

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

Date

01/09/2022

Responsible

A. Bergaglio

DescriptionVideosurveillance LAN Cable with 2 electrical wires 0,5 mm²

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

**Data Sheet****VS540205****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 / +80	°C

Electrical data

Loop Resistance electrical wires	74	Ohm/km
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Date

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Responsible

A. Bergaglio

Description

Videosurveillance LAN Cable

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

**Data Sheet****VS540**

VS540205



Ø (mm)	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

ISO/IEC 11801 Class D	EN 50288-3-1	---	EN 50173
EIA-TIA 568	CEI-UNEL 36762		

Reaction to Fire

EN 50575

Application

Indoor + Outdoor Installation

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	32,15	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 / +80	°C

Electrical data**ITALIANA CONDUTTORI s.r.l.**

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Date

01/09/2022

Responsible

A. Bergaglio

Description

Videosurveillance LAN Cable

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

**Data Sheet****VS540**

VS540205

Electrical data

Characteristic impedance	100 MHz	100 ± 5	Ohm
Capacitance of Twisted Pair (@800Hz)		48	pF/m
Velocity Ratio		67 %	
DC Conductor Resistance		95	Ohm/km
Loop resistance		190	Ohm/km
Insulation resistance		> 5000	MOhm x km
Sheath Insulation Voltage (DC, 1 min)		1	kV

Transmission-Characteristic (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	RL [dB]	NEXT [dB]	ACR-N [dB/100m]
1	1,90	25,00	71,00	69,10
10	6,00	25,00	56,00	50,00
20	8,50	25,00	51,00	42,50
31,2	10,70	24,00	49,00	38,30
62,5	15,70	22,00	44,00	28,30
100	19,80	20,00	41,00	21,20

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Responsible

A. Bergaglio

DescriptionElectrical wire 0,5 mm²**Data Sheet****CE22**

VS540205

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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Date

01/09/2022

Responsible

A. Bergaglio

DescriptionElectrical wire 0,5 mm²**Data Sheet****CE23**
VS540205

16x0,193



Ø	0,80 (Cu)	1,80 (LSZH)
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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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Responsible**A. Bergaglio**