

Description

Videosurveillance LAN Cable

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

Coaxial Cables

CAVEL®

since 1968

Data Sheet**VS540**

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 %	

ITALIANA CONDUTTORI s.r.l.

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Date**20/06/2017****Responsible****Alberto Scardovi**

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**Data Sheet****VS540**

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

Transmission-Characteristic (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	RL [dB]	NEXT [dB]	ACR-N [dB/100m]
2	2,70	20,00	71,00	68,30
3	3,30	20,00	68,00	64,70
4	3,80	20,00	65,00	61,20
5	4,20	20,00	64,00	59,80
100	19,80	20,00	41,00	21,20
200	27,50		36,00	8,50

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