

Description

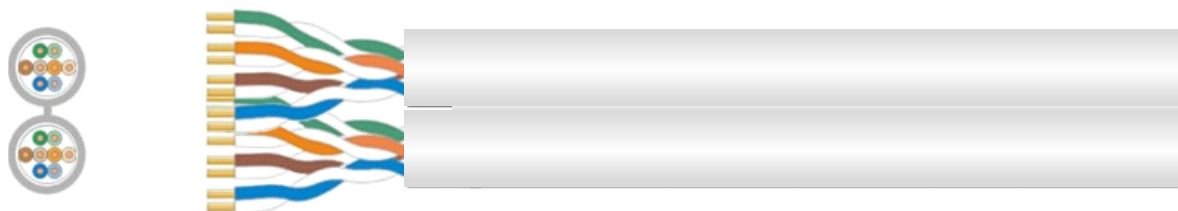
Local Area Network Cable

Cat.5e U/UTP 4x2xAWG23/1 PVC

Coaxial Cables

CAVEL[®]

since 1968

Data Sheet**2XLAN540****Construction data****Composition****Sheath Colour**

LAN540

Outer sheath of Polyvinylchloride - white (PVC) - lead-free

(PVC)

10,30 x 5,10 mm

Printed each meter by blue ink-jet :

CAVEL 2 x LAN 540 MADE IN ITALY ss/aa U/UTP 4x2xAWG24 - CATEGORY 5E ISO-IEC 11801 EN50173**CEI-UNEL 36762 C-4 (U0 =400V) - m****ITALIANA CONDUTTORI s.r.l.**

Viale Zanotti 90 I - 27027 Gropello Cairoli

Tel +39-382.815150 Fax +39-0382.814212

Date**14/02/2014****Responsible****Alberto Scardovi**

Description

Local Area Network Cable

Cat. 5e U/UTP 4x2xAWG24 PVC



Data Sheet

LAN540

2XLAN540



Ø	0,51 (Cu)	0,90 (PE)	5,10 (PVC)
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Construction data

4x2xAWG24 pairs of bare copper wires	(Cu)	0,51 mm
Insulation of solid Polyethylene	(PE)	0,90 mm

Composition

- white/blu - blu
- white/green - green
- white/orange - orange
- white/brown - brown

Outer sheath of Polyvinylchloride - white (PVC)	(PVC)	5,10 mm
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Printed each meter by blue ink-jet :

CAVEL LAN 540 MADE IN ITALY ss/aa U/UTP 4x2xAWG24 - CATEGORY 5E ISO-IEC 11801 EN50173 CEI-UNEL 36762 C-4 (U0 =400V) - m

(ss=week, aa=year) (m=meter marking)

Electrical data

Characteristic impedance	1 - 100 MHz	100 ± 15	Ohm
Capacitance of Twisted Pair (@800Hz)		48	pF/m
Velocity Factor		67 %	
DC Conductor Resistance		95	Ohm/km
Loop resistance		190	Ohm/km
Insulation resistance		> 2.000	MOhm x km
Test voltage (DC, 1 min)		1	kV
Coupling Attenuation	30 - 100 MHz	> 45	dB

Frequency [MHz]	Attenuation [dB/100m]	SRL [dB]	NEXT [dB/100m]	ACR [dB]	FEXT [dB]
1	1,90	20,00	71,00	69,10	80,00
10	6,00	25,00	56,00	50,00	62,00
20	8,50	25,00	51,00	42,50	58,00
31,2	10,70	24,00	49,00	38,30	56,00
62,5	15,70	22,00	44,00	28,30	50,00
100	19,80	20,00	41,00	21,20	48,00
155,5	24,20		38,00	13,80	
200	27,50		36,00	8,50	
250	29,20		35,00	5,80	
300	32,00		34,00	2,00	

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04/10/2013

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**Data Sheet****LAN540**

2XLAN540

Mechanical data

Weight of copper conductors	14,60	kg/km		
Total weight of cable	30,51	kg/km		
Minimum bending radius (installation/operation)	40/20	mm		
Maximum pulling strength during the installation	100	N		
Working temperature	-20 / +60	°C		
Lay out temperature	0 / +50	°C		
Fire Load	398	MJ/km	111	kWh/km

Standards

EIA-TIA 568A	ISO/IEC 11801/2°ed	IEC 61156-5	EN50173	EN50288-3-1
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