

Description

Local Area Network Cable

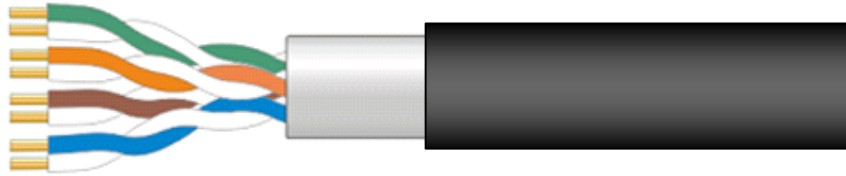
Cat. 5e U/UTP 4x2xAWG24/1 PVC+PE

Coaxial Cables

CAVEL[®]

since 1968

Data Sheet

LAN5402G

Ø	0,51 (Cu)	0,90 (PE)	5,10 (PVC)	6,30 (PE)
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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

Inner sheath of Polyvinylchloride white	(PVC)	5,10 mm
Outer sheath of Polyethylene - black	(PE)	6,30 mm

Printed each meter by yellow ink-jet :

CAVEL LAN 540 2G 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

Frequency [MHz]	Attenuation [dB/100m]	SRL [dB]	NEXT [dB/100m]	ACR [dB]
1	1,90	20,00	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
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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Date

24/01/2013

Responsible

Alberto Scardovi

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Data Sheet**LAN5402G****Mechanical data**

Weight of copper conductors	14,60	kg/km
Total weight of cable	39,81	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

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