

Description

Flexible Local Area Network Patch Cable

Cat. 5e U/UTP 4x2xAWG26/7

Coaxial Cables

CAVEL®

since 1968

Data Sheet

LANF540ZH



Ø	0,48	0,80	5,10
	(Cu)	(PE)	(LSZH)

Standards

EN50288-3-2	EN50173	ISO/IEC 11801	IEC 61156
EIA-TIA 568	CEI-UNEL 36762		

Reaction to Fire

EN50575

Application

Work area, patch cord cable

IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T

IEEE 802.5 16 MB: ISDN; TPDDI; ATM; PoE

Construction data

4 Paires with conductor of bare copper strand	(Cu)	7x0,16	Ø 0,48	mm
Insulation of solid Polyethylene	(PE)		Ø 0,80	mm

Composition

Twisted pairs, coloured by Standard TIA-568A

Outer sheath of Thermoplastic material - grey (RAL 7001) - halogen-free, low smoke, flame retardant and UV-resistant	(LSZH)		Ø 5,10	mm
Printed each meter by blue ink-jet :				

DA DEFINIRE

Physical data

Weight of copper conductors	10,80	kg/km
Total weight of cable	31,47	kg/km
Minimum bending radius x1/n	20/40	mm
Maximum tensile strength during the installation	100	N
Installation temperature	0 / +50	°C
Operating temperature	-20 / +60	°C

Electrical data

Characteristic impedance	100 MHz	100 ± 5	Ohm
Capacitance of Twisted Pair (@800Hz)		48	pF/m
Velocity Ratio		67 %	
DC Conductor Resistance		130	Ohm/km
Loop resistance		260	Ohm/km

ITALIANA CONDUTTORI s.r.l.

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

Date

10/05/2021

Responsible

A. Bergaglio

Description

Flexible Local Area Network Patch Cable

Cat. 5e U/UTP 4x2xAWG26/7



Data Sheet

LANF540ZH

Insulation resistance	> 2000	MOhm/km
Sheath Insulation Voltage (DC, 1 min)	1	kV
Coupling Attenuation	> 45	dB

Transmission-Characteristic (at 20°C)

Frequency [MHz]	Attenuation [dB/10m]	RL [dB]	NEXT [dB]	ACR-N [dB/100m]
1	0,30	20,00	71,00	68,00
10	0,90	25,00	56,00	47,00
20	1,30	25,00	51,00	38,00
31,2	1,60	24,00	49,00	33,00
62,5	2,40	22,00	44,00	20,00
100	3,00	22,00	41,00	11,00

ITALIANA CONDUTTORI s.r.l.

Viale Zanotti 90 I - 27027 Gropello Cairoli

Tel +39-382.815150 Fax +39-0382.814212

Date

10/05/2021

Responsible

A. Bergaglio