



Flexible Local Area Network Patch Cable

LANF640ZH

Cat. 6 U/UTP 4x2xAWG24/7



Ø (mm)	0,60 - 7x0,20	1,05	6,80
	(Cu)	(PE)	(LSZH)

Standards

EN 50288-6-2

EN50173

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

Indoor + Outdoor Installation

Construction data

4 pairs with conductor of tinned copper strand	(Cu)	7x0,20	Ø 0,60	mm
Insulation of solid Polyethylene	(PE)		Ø 1,05	mm

Composition

Twisted pairs, coloured by Standard TIA-568A

Plastic Cross Separator

Outer sheath of Thermoplastic material - grey (RAL 7001) - (LSZH) Ø 6,80 mm
halogen-free, low smoke, flame retardant and UV-resistant

Printed each meter by blue ink-jet :

CAVEL LANF 640 ZH MADE IN ITALY CAT 6 U/UTP 4x2xAWG24/7 - EN50288-6-2 EN50173 CEI-UNEL 36762**C-4 (U0 = 400V) - gggaan - m**

(ggg=day)(aa=year)(n=batch) (m=meter marking)

Physical data

Weight of copper conductors	17,30	kg/km
Total weight of cable	48,10	kg/km
Minimum bending radius x1/n	34/68	mm
Maximum cable pulling strength	100	N
Installation temperature	0 / +50	°C
Operating temperature	-20 / +80	°C

Electrical data

Characteristic impedance	100 MHz	100 ± 5	Ohm
Capacitance of Twisted Pair (@800Hz)		48	pF/m

ITALIANA CONDUTTORI s.r.l.Viale Zanotti 90 I - 27027 Gropello Cairoli
Tel +39-382.815150 Fax +39-0382.814212

Date

27/10/2023

Responsible

A. Bergaglio



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Velocity Ratio	67 %	
DC Conductor Resistance	85	Ohm/km
Loop resistance	170	Ohm/km
Insulation resistance	> 5000	MOhm x 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]
10	0,90	25,00	60,30	51,30
20	1,28	25,00	55,80	43,00
31,2	1,61	23,60	52,90	36,80
62,5	2,32	21,50	48,40	25,20
100	2,99	20,10	45,30	15,40
155,5	3,79	18,80	42,40	4,50
250	4,95	17,30	39,30	-10,20

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