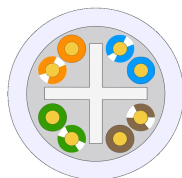


Flexible Local Area Network Patch Cable

Cat. 6 U/UTP 4x2xAWG24/7



LANF640



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

Standards

EN50288-6-2

EN 50173

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 pairs with conductor of tinned copper strand	(CuSn)	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 Polyvinylchloride - white - lead-free (PVC) Ø 6,80 mm

Printed each meter by blue ink-jet :

CAVEL LANF640 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	45,40	kg/km
Minimum bending radius x1/n	34/68	mm
Maximum cable pulling strength	100	N
Installation temperature	0 / +50	°C
Operating temperature	-20 / +70	°C

Electrical data

Characteristic impedance	100 MHz	100 ± 5	Ohm
Capacitance of Twisted Pair (@800Hz)		48	pF/m
Velocity Ratio		67 %	
DC Conductor Resistance		85	Ohm/km

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



Flexible Local Area Network Patch Cable

LANF640

Cat. 6 U/UTP 4x2xAWG24/7

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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