

Description

Flexible Local Area Network Patch Cable

Cat. 6 U/UTP 4x2xAWG24/7

Coaxial Cables

CAVEL®

since 1968

Data Sheet

LANF640ZH



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

Standards

EN 50288-6-2	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

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

Cross separator in Polyethylene	(PE)			
Outer sheath of Thermoplastic material - grey (RAL 7001) - halogen-free, low smoke, flame retardant and UV-resistant	(LSZH)		Ø 6,60	mm
Printed each meter by blue ink-jet :				

**CAVEL LANF 640 ZH MADE IN ITALY ss/aa U/UTP 4x2xAWG24/7 - CATEGORY 6 ISO-IEC 11801 EN50173
CEI-UNEL 36762 C-4 (U0 = 400V) - m**

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

Physical data

Weight of copper conductors	17,00	kg/km
Total weight of cable	37,30	kg/km
Minimum bending radius x1/n	25/50	mm
Maximum cable pulling strength	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

25/01/2021

Responsible

A. Bergaglio

Description

Flexible Local Area Network Patch Cable

Cat. 6 U/UTP 4x2xAWG24/7

**Data Sheet****LANF640ZH**

Insulation resistance	> 5000	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	25,00	100,00	97,00
10	0,90	25,00	80,00	71,00
20	1,30	25,00	70,00	57,00
31,2	1,60	25,00	65,00	49,00
62,5	2,30	25,00	60,00	37,00
100	3,00	25,00	60,00	30,00
155,5	3,70	20,00	55,00	18,00
200	4,40	20,00	55,00	11,00
250	4,90	20,00	50,00	1,00

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

Date

25/01/2021

Responsible

A. Bergaglio