

Description

Flexible Local Area Network Patch Cable

Cat. 6 U/UTP 4x2xAWG26/7

Coaxial Cables

CAVEL®

since 1968

Data Sheet

LANF640ZH



Ø	0,48	1,00	6,60
	(CuSn)	(PE)	(LSZH)

Standards

EIA-TIA 568 ISO/IEC 11801 IEC 61156 EN 50173-1

EN 50288-6-1

Reaction to Fire

IEC 60332-1

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	(CuSn)	7x0,16	Ø 0,48	mm
Insulation of solid Polyethylene	(PE)		Ø 1,00	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 4x2xAWG26/7 - 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	10,80	kg/km
Total weight of cable	37,30	kg/km
Minimum bending radius x1/n	25/50	mm
Maximum cable pulling strength	100	N
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

ITALIANA CONDUTTORI s.r.l.

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Tel +39-382.815150 Fax +39-0382.814212

Date

29/02/2016

Responsible

Alberto Scardovi

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Loop resistance	260	Ohm/km
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]	SRL [dB]	NEXT [dB]	ACR [dB]
1	0,30	25,00	100,00	99,70
10	0,90	25,00	80,00	79,10
20	1,30	25,00	70,00	68,70
31,2	1,60	25,00	65,00	63,40
62,5	2,30	25,00	60,00	57,70
100	3,00	25,00	60,00	57,00
155,5	3,70	20,00	55,00	51,30
200	4,40	20,00	55,00	50,60
250	4,90	20,00	50,00	45,10
300	5,20	20,00	50,00	44,80

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