

Description

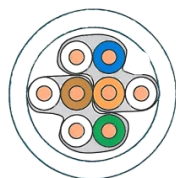
Flexible Local Area Network Patch Cable

Cat. 7 S/FTP 4x2xAWG26/7 LSZH



Data Sheet

LANF7454ZH



Ø	0,48	1,20	7,00
	(Cu)	(PEG)	(LSZH)

Class CPR acc. to UE 305/2011 (DoP)

Fca

The cable can be used in the field of application of the Construction Product Regulation (DoP) UE nr. 305/2011 for the class of performance specified on the related product label.

Standards

EIA-TIA 568	ISO/IEC 11801	IEC 61156	EN 50173-1
EN 50288-4-1			

Reaction to Fire

IEC 60332-1	IEC 60332-3-24
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Application

Work area, patch cord cable

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

IEEE 802.5 16 MB: ISDN; TPDDI; ATM

Construction data

4 foil screened paires of bare copper strand	(Cu)	7x0,16	Ø 0,48	mm
Insulation of physical foam Polyethylene	(PEG)		Ø 1,20	mm
Al/Pet foil shielded pairs, PiMF mode	(Al/Pet)			

Composition

Twisted pairs, coloured by Standard TIA-568A

Braid of tinned copper wires	(CuSn)			
Braid Optical Coverage			45	%
Lay Length of Pairs			80	mm
Outer sheath of Thermoplastic material - grey (RAL 7001) - halogen-free, low smoke, flame retardant and UV-resistant	(LSZH)		Ø 7,00	mm

Printed each meter by blue ink-jet :

Timbratura: CAVEL LANF7454ZH MADE IN ITALY CAT 7 S/FTP 4x2xAWG26/7 - ISO-IEC 11801 EN50173-1 CEI-UNEL 36762 C-4 (U0 =400V) gggaan - m

(gggaan=batch number m=meter marking)

ITALIANA CONDUTTORI s.r.l.

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

Date

29/02/2016

Responsible

Alberto Scardovi

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Physical data

Weight of copper conductors	16,83	kg/km
Total weight of cable	51,90	kg/km
Minimum bending radius x1/n	30/60	mm
Max.Tensile Strength	150	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)		43	pF/m
Velocity Ratio		79 %	
DC Conductor Resistance		130	Ohm/km
Loop resistance		260	Ohm/km
Insulation resistance		> 2000	MOhm/km
Sheath Insulation Voltage (DC, 1 min)		1	kV
Coupling Attenuation		> 45	dB

Screening Attenuation (SA)

30 - 100 MHz	> 80 dB
100 - 600 MHz	> 85 dB

Shield Transfer Impedance (Zt)

1 MHz	< 5 mOhm/m
10 MHz	< 3 mOhm/m
30 MHz	< 3 mOhm/m
100 MHz	< 2 mOhm/m

Transmission-Characteristic (at 20°C)

Frequency [MHz]	Attenuation [dB/10m]	RL [dB]	NEXT [dB]	ACR [dB/100m]
1	0,30	25,00	90,00	87,00
10	0,90	25,00	90,00	81,00
20	1,30	25,00	85,00	72,00
31,25	1,60	25,00	85,00	69,00
62,5	2,40	25,00	80,00	56,00
100	3,00	25,00	80,00	50,00
155,5	3,60	20,00	80,00	44,00
200	4,10	20,00	75,00	34,00
250	4,40	20,00	75,00	31,00
300	4,80	20,00	75,00	27,00
500	6,40	20,00	70,00	6,00
600	7,00	20,00	70,00	0,00

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