

Description

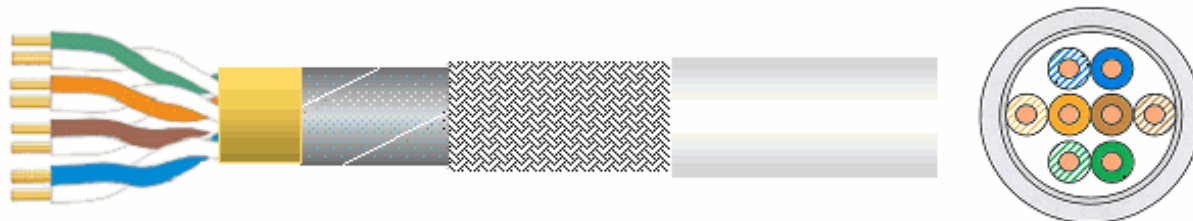
Flexible Local Area Network Patch Cable

Cat. 5e SF/UTP 4x2xAWG26/7 LSZH



Data Sheet

LANF542ZH



Ø 0,48-7x0,16	0,90	4,10	5,20	6,30
(CuSn)	(PE)	(PET)	(Al/Pet)	(LSZH)

Standards

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; PoE

Construction data

4 pairs with conductor of tinned copper strand	(CuSn)	7x0,16	Ø 0,48	mm
Insulation of solid Polyethylene	(PE)		Ø 0,90	mm
Polyester film spirally wrapped	(Pet)			

Composition

Twisted pairs, coloured by Standard TIA-568A

Braid of tinned copper wires	(CuSn)			
Braid Optical Coverage			80	%
Aluminum/Polyester tape spirally wound	(Al/Pet)			
Outer sheath of Thermoplastic material - grey (RAL 7001) - halogen-free, low smoke, flame retardant and UV-resistant	(LSZH)		Ø 6,30	mm

Printed each meter by blue ink-jet :

CAVEL LANF 542 ZH MADE IN ITALY CAT 5E SF/UTP 4x2xAWG26/7 - EN50288-2-2 EN50173 CEI-UNEL 36762 C-4 (U0 = 400V) gggaan - m

(gggaan=batch number m=meter marking)

Physical data

Weight of copper conductors	21,40	kg/km
Total weight of cable	51,60	kg/km
Minimum bending radius x1/n	25/50	mm
Maximum tensile strength during the installation	100	N
Installation temperature	0 / +50	°C
Operating temperature	-20 / +60	°C

ITALIANA CONDUTTORI s.r.l.

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

Date

11/11/2020

Responsible

A. Bergaglio

Description

Flexible Local Area Network Patch Cable

Cat. 5e SF/UTP 4x2xAWG26/7 LSZH



Data Sheet

LANF542ZH

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
Insulation resistance		> 2000	MOhm/km
Sheath Insulation Voltage (DC, 1 min)		1	kV
Coupling Attenuation		> 50	dB

			Transfer Impedance (Zt)	
30 - 100 MHz	> 85 dB		1 MHz	< 6 mOhm/m
100 - 1000 MHz	> 85 dB		10 MHz	< 1,5 mOhm/m
			30 MHz	< 1 mOhm/m
			100 MHz	< 1 mOhm/m

Transmission-Characteristic (at 20°C)

Frequency [MHz]	Attenuation [dB/10m]	RL [dB]	NEXT [dB]	ACR-N [dB/100m]
1	0,30	20,00	71,00	68,00
10	0,90	25,00	56,00	47,00
20	1,30	25,00	51,00	38,00
31,2	1,60	24,00	49,00	33,00
62,5	2,40	22,00	44,00	20,00
100	3,00	20,00	41,00	11,00

ITALIANA CONDUTTORI s.r.l.

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

Date

11/11/2020

Responsible

A. Bergaglio