

**Description**

Local Area Network Cable

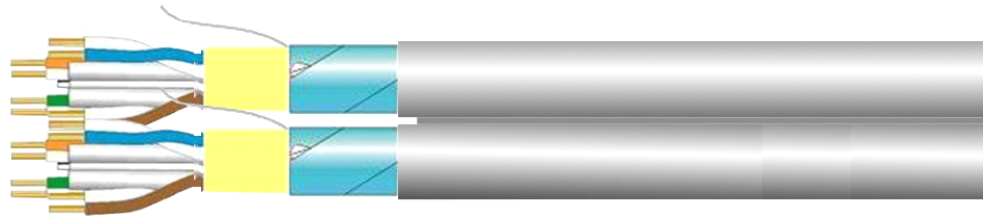
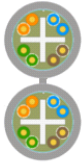
Cat. 6 F/UTP 4x2xAWG23/1 LSZH

Coaxial Cables

**CAVEL**<sup>®</sup>

since 1968

Data Sheet

**2XLAN641ZH**

Ø

7,60 x 17,00

(LSZH)

**Attached Data Sheet**

LAN641ZH

grey (RAL 7001)

Outer sheath of Thermoplastic material - grey (RAL 7001) - halogen free and flame retardant

(LSZH)

Ø 17,00 x 7,60

mm

Printed each meter by blue ink-jet :

**CAVEL 2 x LAN 641 ZH MADE IN ITALY ss/aa U/UTP 4x2xAWG23 - CATEGORY 6 ISO-IEC 11801 EN50173  
CEI-UNEL 36762 C-4 (U0 = 400V) - m**

(m=meter marking)

**Physical data**

Weight of copper conductors	39,86	kg/km
Total weight of cable	112,04	kg/km
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

29/02/2016

Responsible

Alberto Scardovi

## Description

Local Area Network Cable

Cat. 6 F/UTP 4x2xAWG23/1 LSZH

Coaxial Cables

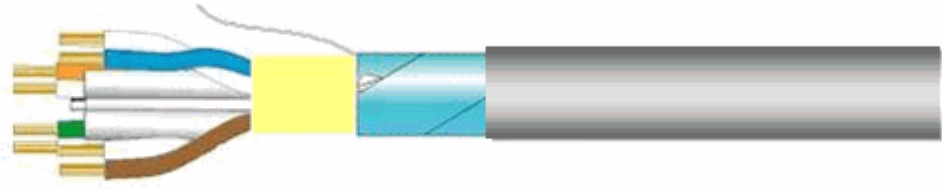
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## Data Sheet

LAN641ZH

2XLAN641ZH



Ø	0,57	1,10		7,60
	(Cu)	(PE)	(Pet) (Al/Pet)	(LSZH)

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

Eca

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.

## Construction data

4 pairs with conductor of bare copper wires	(Cu)	Ø 0,57	mm
Dielectric of solid polyethylene	(PE)	Ø 1,10	mm
Polyester film spirally wrapped	(Pet)		

## Composition

Twisted pairs, coloured by Standard TIA-568A

Drain wire of tinned copper	(CuSn)	Ø 0,40	mm
Cross separator in Polyethylene	(PE)		
External Aluminium/Polyester tape	(Al/Pet)	27 x 30/19	mm/µm
Outer sheath of Thermoplastic material - grey (RAL 7001) - halogen-free, low smoke, flame retardant and UV-resistant	(LSZH)	Ø 7,60	mm

Printed each meter by blue ink-jet :

**CAVEL LAN 641 ZH MADE IN ITALY CAT 6 F/UTP 4x2xAWG23 Euroclass Eca ISO-IEC 11801 EN50173  
CEI-UNEL 36762 C-4 (U0 = 400V) gggaan - m**

(gggaan=batch number m=meter marking)

## Physical data

Weight of copper conductors	19,92	kg/km
Total weight of cable	55,41	kg/km
Minimum bending radius x1/n	35/70	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		80	Ohm/km
Loop resistance		160	Ohm/km

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**Data Sheet****LAN641ZH**

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Loop resistance		160	Ohm/km
Insulation resistance		> 5000	MOhm/km
Sheath Insulation Voltage (DC, 1 min)		1	kV
Coupling Attenuation		> 45	dB
Screening Attenuation (SA)		Shield Transfer Impedance (Zt)	
30 - 250 MHz	> 50 dB	1 MHz	< 35 mOhm/m
250 - 1000 MHz	> 45 dB	10 MHz	< 41 mOhm/m
		30 MHz	< 110 mOhm/m
		100 MHz	< 150 mOhm/m

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