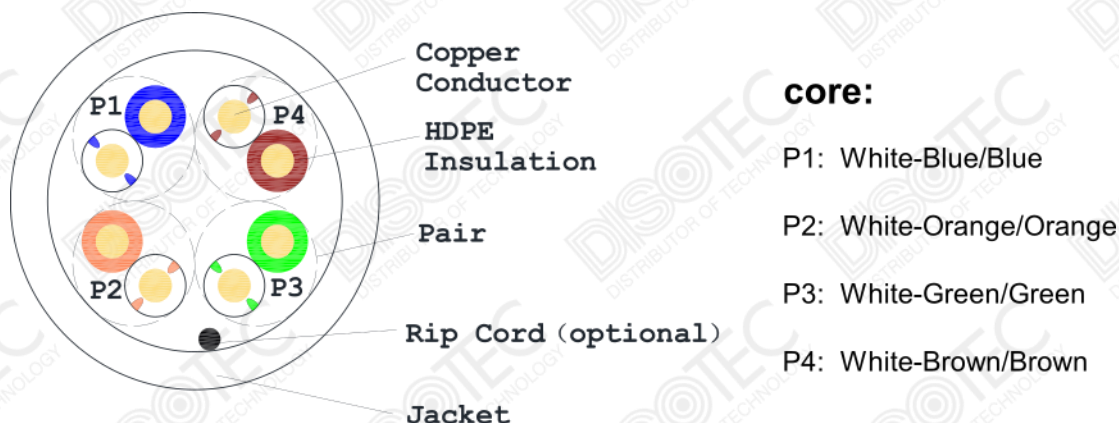


Titolo:

## LAN CABLE CAT5E U/UTP

**Applicazione: U/UTP CAT5E 4\*2\*24AWG LSZH**



### Technical Parameters

**E-2631.1201.0**

Type: U/UTP CAT5E 4\*2\*24AWG LSZH

Structure		Structure A	
<b>Conductors</b>	Structure AWG	AWG	24# (1/24)
	Material		Solid Bare Copper
	Diameter	mm	Ø 0.47+/-0.01
<b>Insulation</b>	Material		HDPE
	Diameter	mm	Ø 0.85+/-0.05
	Average Thickness	mm	0.19+/-0.05
<b>Shielding1</b>	Type		
<b>Cabling</b>	Direction		S
	No. of Insulations	Pair	4
<b>Shielding2</b>	Material		
<b>Shielding3</b>	Shield		
<b>Jacket</b>	Material		LSZH
	Diameter	mm	Ø 4.7+/-0.3
	Average Thickness	mm	0.5+/-0.1
	Flame Rate		EN50575 Eca

Titolo:

## LAN CABLE CAT5E U/UTP

### Mechanical Characteristics

1	Maximum Pulling Force		≤100N
2	Conductor elongation		≥15%
3	Jacket before Aging	Tensile Strength	≥8.3Mpa
		Elongation	≥100%
4	Jacket After Aging (100 °C 24x2h)	Tensile Strength before Aging	≥75%
		Elongation before Aging	≥75%

### Electrical Characteristics

1	Impedance:	(Ohms)	1-100MHz 100±15
2	Rated Temperature:		75 °C
3	DC Resistance Unbalance(%):		Max 2.5
4	DC Resistance 20 °C:	(Ohms/Km)	≤117
5	Pair-to-Ground Capacitance Unbalance:	(pF/100M)	≤330
6	Insulation Resistance:	MΩ.Km	>5000
7	Dielectric strength: DC 2500V 2S		DC 2500V 2S

### Nominal Transmission Characteristics

Frequency (MHz)	Min. RL (dB/100M)	Max IL* (dB/100M)	Max PD (ns/100M)	Max SKEW (ns/100M)	Min. NEXT (dB/100M)	Min. PSNEXT (dB/100M)	Min. ACR-F (dB/100M)	Min. PSACR-F (dB/100M)
1	20	2	570	45	65,3	62,3	63,8	60,8
4	23	4,1	552	45	56,3	53,3	51,8	48,8
8	24,5	5,8	547	45	51,8	48,8	45,7	42,7
10	25	6,5	545,4	45	50,3	47,3	43,8	40,8
16	25	8,2	543	45	47,2	44,2	39,7	36,7
20	25	9,3	542,1	45	45,8	42,8	37,8	34,8
25	25	10,4	541	45	44,3	41,3	35,8	32,8
31,25	23,6	11,7	540,4	45	42,9	39,9	33,9	30,9
62,5	21,5	17	538,6	45	38,4	35,4	27,9	24,9
100	20,1	22	537,6	45	35,3	32,3	23,8	20,8

Note: The above transmission performance for the 100M, 20 ± 2 °C under the conditions tested.

\* Allowable deviation of -10% to +10%