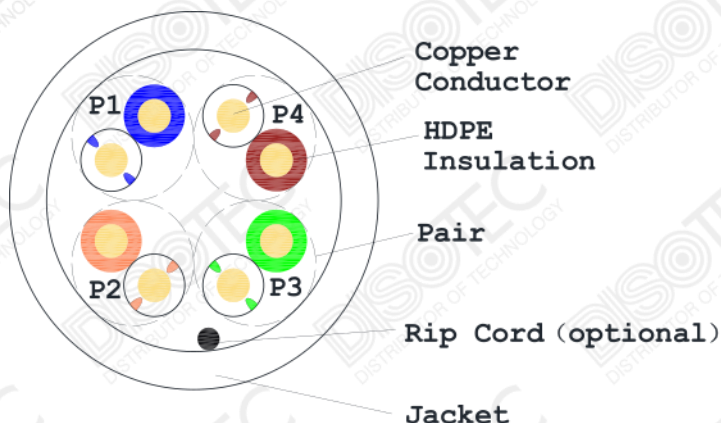


Titolo:

## LAN CABLE CAT6 U/UTP

**Applicazione: U/UTP CAT6 4\*2\*24AWG LDPE**



**core:**

P1: White-Blue/Blue

P2: White-Orange/Orange

P3: White-Green/Green

P4: White-Brown/Brown

### Technical Parameters

2641.1412.0

Type: U/UTP CAT6 4\*2\*24AWG LDPE

Structure		Structure A	
<b>Conductors</b>	Structure AWG	AWG	24# (1/24)
	Material		Solid Bare Copper
	Diameter	mm	∅ 0.515+/-0.01
<b>Insulation</b>	Material		HDPE
	Diameter	mm	∅ 0.92+/-0.05
	Average Thickness	mm	0.20+/-0.05
<b>Shielding1 Type</b>	-		
<b>Cabling</b>	Direction		S
	No. of Insulations	Pair	4
<b>Shielding2</b>	Material		
<b>Shielding3</b>	Shield		
<b>Jacket</b>	Material		LDPE
	Diameter	mm	∅ 5.8+/-0.3
	Average Thickness	mm	0.55+/-0.1
	Flame Rate		

Titolo:

## LAN CABLE CAT6 U/UTP

### Mechanical Characteristics

1	Maximum Pulling Force		≤100N
2	Conductor elongation		≥15%
3	Jacket before Aging	Tensile Strength	≥9.7Mpa
		Elongation	≥350%
4	Jacket After Aging (100 °C 24x2h)	Tensile Strength before Aging	≥75%
		Elongation before Aging	≥75%

### Electrical Characteristics

1	Impedance:	(Ohms)	1-250MHz 100±15
2	Rated Temperature:		75 °C
3	DC Resistance Unbalance(%):		Max 2.5
4	DC Resistance 20 °C:	(Ohms/Km)	≤93.8
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)	Max ACR (dB/100M)	Max PSACR (dB/100M)	Min. NEXT (dB/100M)	Min. PSNEXT (dB/100M)	Min. ACR-F (dB/100M)	Min. PSACR-F (dB/100M)
1	20	2	570	45	72,3	70,3	74,3	72,3	67,8	64,8
4	23	3,8	552	45	61,5	59,5	65,3	63,3	55,8	52,8
8	24,5	5,3	547	45	55,5	53,5	60,8	58,8	49,7	46,7
10	25	6	545	45	53,3	51,3	59,3	57,3	47,8	44,8
16	25	7,6	543	45	48,6	46,6	56,2	54,2	43,7	40,7
20	25	8,5	542	45	46,3	44,3	54,8	52,8	41,8	38,8
25	24,3	9,5	541	45	43,8	41,8	53,3	51,3	39,8	36,8
31,25	23,6	10,7	540	45	41,2	39,2	51,9	49,9	37,9	34,9
62,5	21,5	15,4	539	45	32	30	47,4	45,4	31,9	28,9
100	20,1	19,8	538	45	24,5	22,5	44,3	42,3	27,8	24,8
200	18	29	537	45	10,8	8,8	39,8	37,8	21,8	18,8
250	17,3	32,8	536	45	5,5	3,5	38,3	36,3	19,8	16,8

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