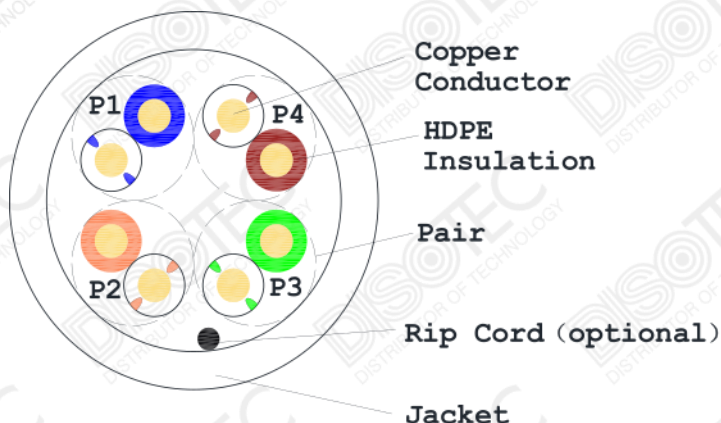


Titolo:

LAN CABLE CAT6 U/UTP

Applicazione: U/UTP CAT6 4*2*24AWG LSZH



core:

P1: White-Blue/Blue

P2: White-Orange/Orange

P3: White-Green/Green

P4: White-Brown/Brown

Technical Parameters

E-2641.1221.0

Type: U/UTP CAT6 4*2*24AWG LSZH

Structure		Structure A	
Conductors	Structure AWG	AWG	24# (1/24)
	Material		Solid Bare Copper
	Diameter	mm	∅ 0.515+/-0.01
Insulation	Material		HDPE
	Diameter	mm	∅ 0.92+/-0.05
	Average Thickness	mm	0.20+/-0.05
Shielding1 Type	-		
Cabling	Direction		S
	No. of Insulations	Pair	4
Shielding2	Material		
Shielding3	Shield		
Jacket	Material		LSZH
	Diameter	mm	∅ 5.8+/-0.3
	Average Thickness	mm	0.55+/-0.1
	Flame Rate		EN50575 Eca

Titolo:

LAN CABLE CAT6 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)	1-250MHz 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.