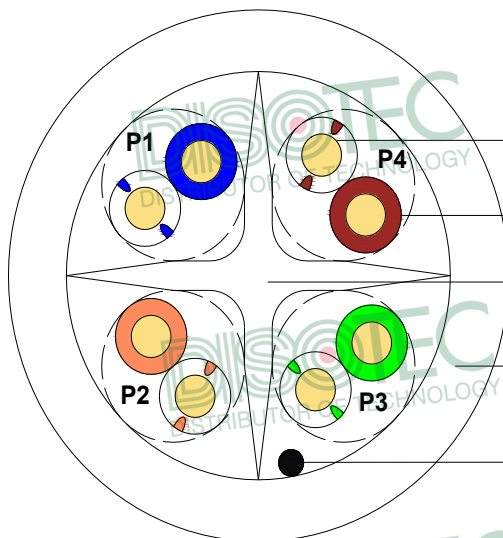


PRODUCT DATA SHEET

Type		U/UTP CAT6 4*2*23AWG LSOH	
Structure		Structure A	
Conductors	Structure AWG	AWG	23# (1/23)
	Material	----	Solid Bare Copper
	Diameter	mm	Ø 0.56+/-0.008
Insulation	Material	----	HDPE
	Diameter	mm	Ø 1.00+/-0.05
	Average Thickness	mm	0.22+/-0.05
Shielding1	Type	----	----
Assimby	Direction	----	S
	No. of Insulations	Pair	4
Shielding2	Material	----	----
Shielding3	Shield	----	----
Jacket	Material	----	LSOH
	Diameter	mm	Ø 6.3+/-0.3
	Average Thickness	mm	0.60+/-0.1
	Flame Rate	----	EN50575 Eca

Construction:



Copper
Conductor
HDPE
Insulation
Cross Filler
Jacket
Rip cord

core:

P1: White-Blue/Blue
P2: White-Orange/Orange
P3: White-Green/Green
P4: White-Brown/Brown

Mechanical Characteristics

- | | |
|------------------------------------|--------|
| 1、 Cable under the minimum tension | ≥400N |
| 2、 Conductor elongation | ≥15% |
| 3、 Jacket before Aging | |
| Tensile Strength | ≥10Mpa |
| Elongation | ≥125% |
| 4、 Jacket After Aging | |
| Tensile Strength | ≥8Mpa |
| Elongation | ≥100% |

Electrical Characteristics

- | | |
|---|------------------------|
| 1.Impedance: | 1-250MHz 100±15 (Ohms) |
| 2.Rated Temperature: | 75℃ |
| 3.DC Resistance Unbalance(%): | Max 2.5 |
| 4.DC Resistance 20℃: | ≤93.8 (Ohms/Km) |
| 5.Pair-to-Ground Capacitance Unbalance: | 330(pF/100M) |
| 6、 Insulation Resistance: | >5000MΩ*Km |
| 7、 Dielectric strength: | DC 2500V 2S |

Nominal Transmission Characteristics

Frequence	Min. RL	Nom. IL	Max. DOP	Max. SKEW	Min. ACR	Min. PSACR	Min. NEXT	Min. PSNEXT	Min. ACR-F	Min. PSACR-F
(MHz)	(dB)	(dB/100M)	(ns/100M)	(ns/100M)	(dB/100M)	(dB/100M)	(dB)	(dB)	(dB/100M)	(dB/100M)
1	20.0	2.0	570	45	72.3	70.3	74.3	72.3	67.8	64.8
4	23.0	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	25.0	6.0	545	45	53.3	51.3	59.3	57.3	47.8	44.8
16	25.0	7.6	543	45	48.6	46.6	56.2	54.2	43.7	40.7
20	25.0	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	32.0	30.0	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	18.0	29.0	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