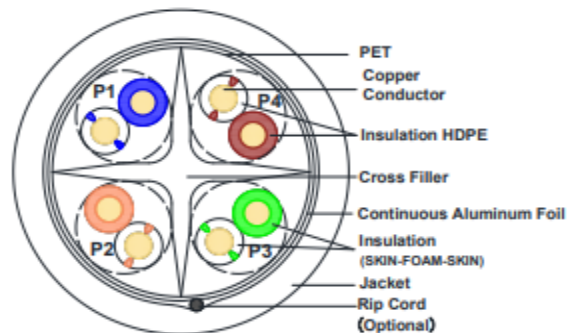


Type		U/UTP CAT6A 4*2*23AWG PVC		
Structure		Structure A		
Conductors	Structure AWG	AWG	23# (1/23)	
	Material	----	Solid Bare Copper	
	Diameter	mm	Ø 0.56+/-0.01	
Insulation	Material	----	P1/P3	PE(Skin-Foam-Skin)
		----	P2/P4	HDPE
	Diameter	mm	P1	Ø1.20+/-0.05
		mm	P2	Ø1.09±0.05mm
		mm	P3	Ø1.14+/-0.05
		mm	P4	Ø1.13±0.05mm
	Average Thickness	mm	P1	0.32+/-0.05
		mm	P2	0.27+/-0.05
mm		P3	0.29+/-0.05	
mm		P4	0.29+/-0.05	
Shielding1	Type	----	----	
Cabling	Direction	----	S	
	No. of Insulations	Pair	4	
Shielding2	Material	----	Continuous aluminum foil	
Shielding3	Shield	----	----	
Jacket	Material	----	PVC	
	Diameter	mm	Ø7.6+/-0.3	
	Average Thickness	mm	0.6+/-0.1	
	Flame Rate	----	----	

Construction:



core:

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

Mechanical Characteristics								
1、 Maximum Pulling Force	≤100N							
2、 Conductor elongation	≥15%							
3、 Jacket before Aging								
Tensile Strength	≥13.8Mpa							
Elongation	≥100%							
4、 Jacket After Aging(100℃、 24×10h)								
Tensile Strength	≥85%×Tensile Strength before Aging							
Elongation	≥50%×Elongation before Aging							
Electrical Characteristics								
1. Impedance:	1-100MHz 100±15 (Ohms)							
	100-250MHz 100±22 (Ohms)							
	250-500MHz 100±25 (Ohms)							
2. Rated Temperature:	75℃							
3. DC Resistance Unbalance(%):	Max 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								
Frequency	Min. RL	Max. IL	Max. PD	Max. SKEW	Min. NEXT	Min. PSNEXT	Min. ACR-F	Min. PSACR-F
(MHz)	(dB/100M)	(dB/100M)	(ns/100M)	(ns/100M)	(dB/100M)	(dB/100M)	(dB/100M)	(dB/100M)
1	20.0	2.1	570.0	45.0	74.3	72.3	67.8	64.8
4	23.0	3.8	552.0	45.0	65.3	63.3	55.8	52.8
8	24.0	5.3	546.0	45.0	60.8	58.8	49.7	46.7
10	25.0	5.9	545.0	45.0	59.3	57.3	47.8	44.8
16	25.0	7.5	543.0	45.0	56.2	54.2	43.7	40.7
20	25.0	8.4	542.0	45.0	54.8	52.8	41.8	38.8
31.25	23.6	10.9	540.4	45.0	51.9	49.9	37.9	34.9
62.5	21.5	15.0	539.0	45.0	47.4	45.4	31.9	28.9
100	20.1	19.1	538.0	45.0	44.3	42.3	27.8	24.8
200	18.0	27.6	537.0	45.0	39.8	37.8	21.8	18.8
300	17.3	34.3	536.0	45.0	37.1	35.1	18.3	15.3
400	17.3	40.1	536.0	45.0	35.3	33.3	15.8	12.8
500	17.3	45.3	536.0	45.0	33.8	31.8	13.8	10.8
Note: The above transmission performance for the 100M, 20 ± 2 °C under the conditions tested								