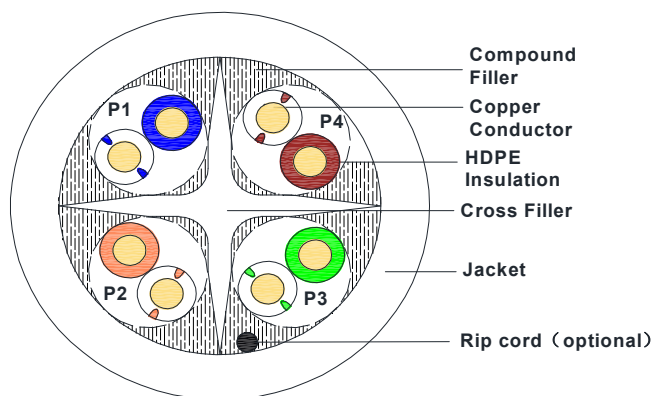


## PRODUCT DATA SHEET

<b>Type</b>		<b>U/UTP CAT6 4*2*23AWG LDPE</b>	
<b>Structure</b>		<b>Structure A</b>	
<b>Conductors</b>	Structure AWG	AWG	23# (1/23)
	Material	----	Solid Bare Copper
	Diameter	mm	Ø 0.56+/-0.01
<b>Insulation</b>	Material	----	HDPE
	Diameter	mm	Ø 1.06+/-0.05
	Average Thickness	mm	0.25+/-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	----	LDPE
	Diameter	mm	Ø 6.9+/-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

<b>Mechanical Characteristics</b>								
1、	Maximum Pulling Force							
								≤100N
2、	Conductor elongation							≥15%
3、	Jacket before Aging							
	Tensile Strength							≥9.7Mpa
	Elongation							≥350%
4、	Jacket After Aging(100℃、24×2h)							
	Tensile Strength							≥75%×Tensile Strength before Aging
	Elongation							≥75%×Elongation before Aging
<b>Electrical Characteristics</b>								
1.	Impedance:							4-250MHz 100±15 (Ohms)
2.	Rated Temperature:							75℃
3.	DC Resistance Unbalance(%):							Max 5
4.	DC Resistance 20℃:							≤73.2 (Ohms/Km)
5.	Pair-to-Ground Capacitance Unbalance:							≤330(pF/100M)
6、	Insulation Resistance:							>5000MΩ.Km
7、	Dielectric strength:							DC 2500V 2S
<b>Nominal Transmission Characteristics</b>								
Frequence	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)
4	23.0	3.8	552	45	65.3	63.3	55.8	52.8
8	24.5	5.3	547	45	60.8	58.8	49.7	46.7
10	25.0	6.0	545	45	59.3	57.3	47.8	44.8
16	25.0	7.6	543	45	56.2	54.2	43.7	40.7
20	25.0	8.5	542	45	54.8	52.8	41.8	38.8
25	24.3	9.5	541	45	53.3	51.3	39.8	36.8
31.25	23.6	10.7	540	45	51.9	49.9	37.9	34.9
62.5	21.5	15.4	539	45	47.4	45.4	31.9	28.9
100	20.1	19.8	538	45	44.3	42.3	27.8	24.8
200	18.0	29.0	537	45	39.8	37.8	21.8	18.8
250	17.3	32.8	536	45	38.3	36.3	19.8	16.8
<b>Note: The above transmission performance for the 100M, 20 ± 2 °C under the conditions tested</b>								
<b>* Allowable deviation of -10% to +10%</b>								