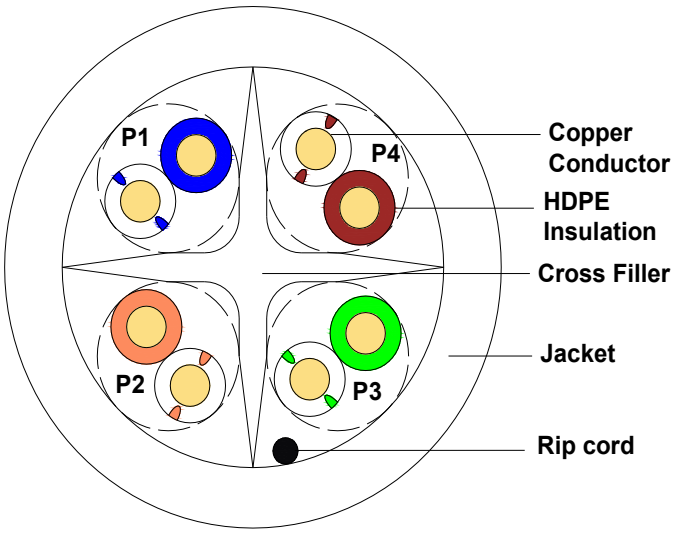
PRODUCT DATA SHEET

Type		U/UTP CAT6 4*2*23AWG PVC	
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 1.0+/-0.05
	Average Thickness	mm	0.22+/-0.05
Shielding1	Type	----	----
Assimbly	Direction	----	S
	No. of Insulations	Pair	4
Shielding2	Material	----	----
Shielding3	Shield	----	----
Jacket	Material	----	PVC
	Diameter	mm	Ø 6.2+/-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

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Mechanical Characteristics

1、 Cable under the minimum tension	⩾400N
2、Conductor elongation	⩾15%
3、 Jacket before Aging	
Tensile Strength	⩾13.5Mpa
Elongation	⩾150%
4、 Jacket After Aging	
Tensile Strength	⩾12.5Mpa
Elongation	⩾125%

Electrical Characteristics

1.Impedance:	1-250MHz 100±15（Ohms)
2.Rated Temperature:	75℃
3.DC Resistance Unbalance(%):	Max 2.5
4.DC Resistance 20℃:	87（Ohms/Km)
5.Pair-to-Gruond 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. NEXT	Min. PSNEXT	Min. ACR-F	Min. PSACR-F
(MHz)	(dB)	(dB/100M)	(ns/100M)	(ns/100M)	(dB)	(dB)	(dB/100M)	(dB/100M)
1	20.0	2.0	570	45	74.3	72.3	67.8	64.8
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

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

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