

U/UTP Cat6A Copper Cables for Indoor Applications

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+/-0.008
Insulation	Material	----	HDPE
	Diameter	mm	Ø 1.03+/-0.05
	Average Thickness	mm	0.23+/-0.05
Shielding1	Type	----	----
Assimby	Direction	----	S
	No. of Insulations	Pair	4
Shielding2	Material	----	----
Shielding3	Shield	----	----
Jacket	Material	----	PVC
	Diameter	mm	Ø 8.5+/-0.5
	Average Thickness	mm	1.5+/-0.3
	Flame Rate	----	CM

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Type	U/UTP CAT6A 4*2*23AWG PVC
<b>Mechanical Characteristics</b>	
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%
<b>Electrical Characteristics</b>	
1.Impedance:	1-500MHz 100±15 (Ohms)
2.Rated Temperature:	75°C
3.DC Resistance Unbalance(%):	Max 2.5
4.DC Resistance 20°C:	≤93.8 (Ohms/Km)
5.Pair-to-Ground Capacitance Unbalance:	330(pF/100M)
6.Insulation Resistance:	>5000MΩ*Km
7.Dielectric strength:	DC 2500V 2S

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Type		U/UTP CAT6A 4*2*23AWG PVC						
Nominal Transmission Characteristics								
Frequency	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	2.1	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
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
<b>Note: The above transmission performance for the 100M, 20 ± 2 °C under the conditions tested</b>								

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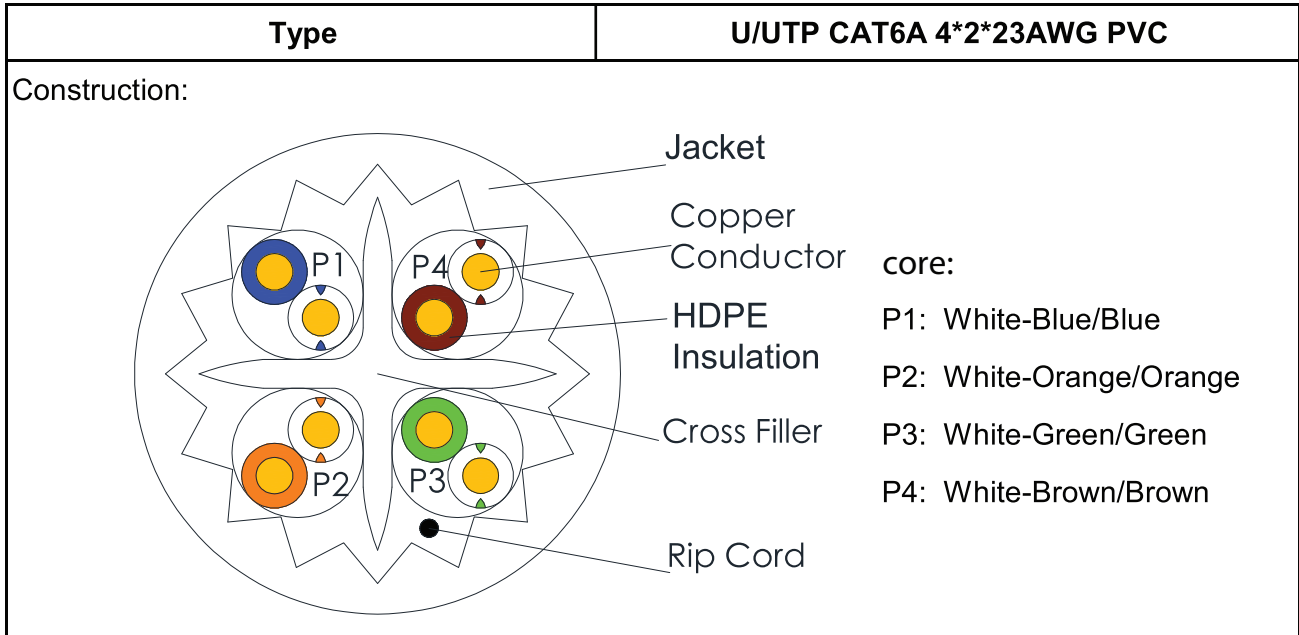


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