



*20 Years Manufacturer's Warranty

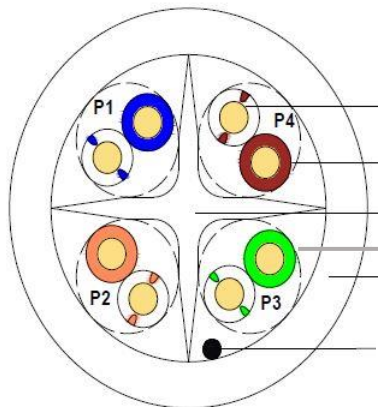
STANDARD COMPLIANCES

EIA/TIA-568-B.2, ISO/IEC 11801, YD/T1019-2001

PRODUCT DATA SHEET

Type		U/UTP CAT5E 4*2*24AWG PVC	
Structure		Structure A	
Conductors	Structure AWG	AWG	24# (1/24)
	Material	---	Solid Bare Copper
	Diameter	mm	Ø 0.50+/-0.008
Insulations	Material	---	HDPE
	Diameter	mm	Ø 0.90+/-0.05
	Average Thickness	mm	0.20+/-0.05
Shielding1	Type	---	---
Assimby	Direction	---	S
	No. of Insulations	Pair	4
Shielding2	Material	---	---
Shielding3	Shield	---	---
Jacket	Material	---	PVC
	Diameter	mm	Ø 5.0+/-0.3
	Average Thickness	mm	0.5+/-0.1
	Flame Rate	---	CM

Construction:



Copper Conductor
HDPE Insulation
Cross Filter
Pair
Jacket
Rip cord

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								$\geq 400\text{N}$
2、 Conductor elongation								$\geq 15\%$
3、 Jacket before Aging								
Tensile Strength								$\geq 13.5\text{Mpa}$
Elongation								$\geq 150\%$
4、 Jacket After Aging								
Tensile Strength								$\geq 12.5\text{Mpa}$
Elongation								$\geq 125\%$
Electrical Characteristics								
1.Impedance:								1-100MHz 100 \pm 15 (Ohms)
2.Rated Temperature:								75 $^{\circ}$ C
3.DC Resistance Unbalance(%):								Max 2.5
4.DC Resistance 20 $^{\circ}$ C:								≤ 93.8 (Ohms/Km)
5.Pair-to-Gruond Capacitance Unbalance:								330(pF/100M)
6、 Insulation Resistance:								$> 5000\text{M}\Omega \cdot \text{Km}$
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	570.0	45.0	65.3	62.3	63.8	60.8
4	23.0	4.1	552.0	45.0	56.3	53.3	51.8	48.8
8	24.5	5.8	546.7	45.0	51.8	48.8	45.7	42.7
10	25.0	6.5	545.4	45.0	50.3	47.3	43.8	40.8
16	25.0	8.2	543.0	45.0	47.2	44.2	39.7	36.7
20	25.0	9.3	542.1	45.0	45.8	42.8	37.8	34.8
31.25	23.6	11.7	540.4	45.0	42.9	39.9	33.9	30.9
62.5	21.5	17.0	538.6	45.0	38.4	35.4	27.9	24.9
100	20.1	22.0	537.6	45.0	35.3	32.3	23.8	20.8
Note: The above transmission performance for the 100M, 20 \pm 2 $^{\circ}$C under the conditions tested								