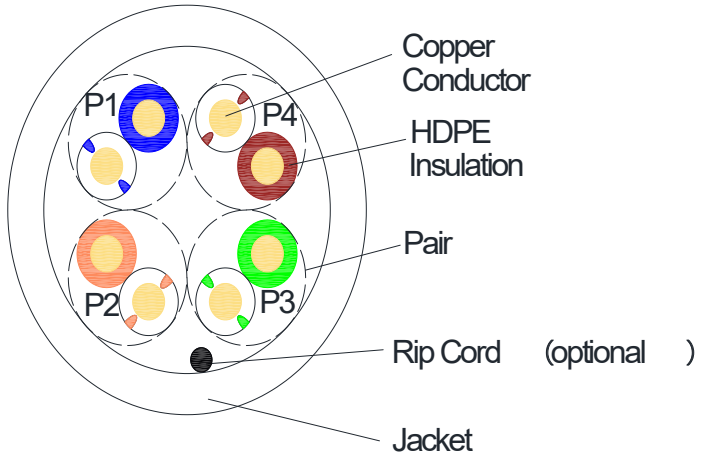
CCU5305 DATA SHEET			
Type		U/UTP CAT5E 4*2*24AWG PVC	
Structure		Structure A	
Conductors	Structure AWG	AWG	24#（1/24）
	Material	----	Solid Bare Copper
	Diameter	mm	Ø0.50+/-0.01
Insulation	Material	----	HDPE
	Diameter	mm	Ø0.90+/-0.05
	Average Thickness	mm	0.20+/-0.05
Shielding1	Type	----	----
Cabling	Direction	----	S
	No. of Insulations	Pair	4
Shielding2	Material	----	----
Shielding3	Shield	----	----
Jacket	Material	----	PVC
	Diameter	mm	Ø5.0+/-0.3
	Average Thickness	mm	0.5+/-0.1
	Flame Rate	----	CMR

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:	4-100MHz 100±15（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

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	4.1	552.0	45.0	56.3	53.3	51.8	48.8
8	24.5	5.8	547.0	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
25	25.0	10.4	541.0	45.0	44.3	41.3	35.8	32.8
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 ± 2 ℃ under the conditions tested