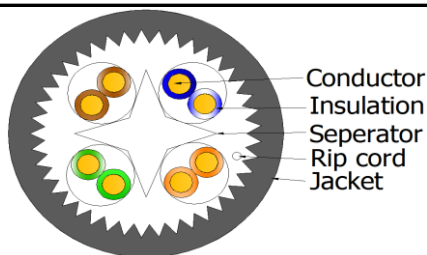


UTP CAT6A 24AWGx4P PVC

Specification:

ITEM	UNIT	Description				
Conductor	Wire No.	/	4P			
	Material	/	Bare Copper			
	Size	AWG	24			
	Diameter	mm	0.51±0.01			
Insulation	Material	/	HDPE			
	Colour	/	Blue/White- Blue	Orange/White -Orange	Green/White- Green	Brown/White- Brown
	Diameter	mm	0.9±0.05			
Seperator	/	/	Yes			
Rip cord	/	/	Yes			
Jacket	Material	/	PVC			
	Colour	/	According Customer Requirement			
	Diameter	mm	6.6±0.3			

SKETCH:



Mechanical properties

Operating temperature	-20~75°C
Minimum bending radius	8×Cable OD
Jacket Elongation at break	≥100%
Jacket Tensile strength	≥13.8MPa
Jacket Aging conditions	100°CX240h
Jacket Elongation at break After Aging	≥50% Before Aging
Jacket Tensile Strength After Aging	≥85% Before Aging
Low temperature winding experiment	-20°CX4h No visible cracks

Electrical properties

Working capacity	≤5.6nF/100m(@1kHz)
Capacitive unbalance to earth	≤160pF/100m
Delay skew	45ns/100m
Maximum conductor resistance	95Ω/km
The maximum electric balance of the conductor	5%(@20°C)
Minimum insulation resistance	5000MΩ.km
Impedance: 1-100MHz	100±15Ω
100-250MHz	100±25Ω
250-500MHz	100±32Ω

High Frequency Electrical performance:(at 20°C 100m)

Frequency (MHz)	ATT (≤dB)	NEXT (≥dB)	PSNEXT (≥dB)	ELFEXT (≥dB)	PS ELFEXT (≥dB)	RL (≥dB)	Note
1.00	3.0	65.0	62.0	63.3	60.3	19.0	Spread out 100m cable and test it
4.00	4.2	63.0	60.5	51.2	48.2	19.0	
8.00	5.8	58.2	55.6	45.2	42.2	19.0	
10.00	6.5	56.6	54.0	43.3	40.3	19.0	
16.00	8.2	53.2	50.6	39.2	36.2	18.0	
20.00	9.2	51.6	49.0	37.2	34.2	17.5	
25.00	10.2	50.0	47.3	35.3	32.3	17.0	
31.25	11.5	48.4	45.7	33.4	30.4	16.5	
62.50	16.4	43.4	40.6	27.3	24.3	14.0	
100.00	20.9	39.9	37.1	23.3	20.3	12.0	
200.00	30.1	34.8	31.9	17.2	14.2	9.0	
250.00	33.9	33.1	30.2	15.3	12.3	8.0	
350.00	40.6	30.3	27.3	12.4	9.4	6.6	
450.00	46.5	27.3	24.4	10.2	7.2	6.0	
500.00	49.3	26.1	23.2	9.3	6.3	6.0	