

产品承认书 SPECIFICATION FOR APPROVAL

Specification For Approval	Style: Communication cable			
	Size	CAT6 UTP 23AWG 0.55mm BC	P/N	/
	Standard	ANSI/TIA-568.2-D-2018	Versions	A/0
Structural sketch map				
Cable structure		Description		
Conductor	Cross-section	23AWG/4P		
	Structure	0.55±0.005mm		
	Material	Solid Bare Copper		
Insulation	Insulation O.D	0.99±0.05mm		
	Nom. thickness	0.21mm		
	Material	HDPE		
	Color	Blue、White-blue、Orange、White-orange、Green、White-Green、brown、White-brown		
Twist pair	Twist color	1:Blue/White-blue、2:Orange/White-orange、3:Green/White-Green、4:brown/White-brown		
Cabling	Stranding	1+2+3+4 (See the Structural sketch map)		
	Pitch	95±10mm		
	Twisted O.D	5.2±0.3mm		
	Cross skeleton	YES		
Jacket	Jacket O.D	6.0±0.3mm		
	Nom. thickness	0.55mm		
	Material	LSZH		
	Color	Grey or Optional		
	Rip cord	Fibre		
Marking	According to customer requirements			

TIANJIE

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Electrical Properties (at 20°C)			Data of product			
ConductorDC Resistance			≤9.38Ω/100m			
Rated temperature			-20~+70°C			
Insulation spark test			1.5kv			
Installation temperature			-10~+60°C			
Delay differential			≤45ns/100m			
Operating capacitance			≤5.6 nF/100m			
General requirements			RoHS			
Mechanical Characteristics						
Max. Pull Tension			25 lbs			
Min. Bend Radius During Installation			2.0 in			
Min. Bend Radius/Minor Axis			1.0 in			
Applicable Environmental and Other Programs						
Environmental Space			Indoor			
UL voltage rating			300 V RMS			
Channel transmission performance (at 20°C)						
Frequency MHz	ACRF (dB) Min	Chaiacteristic Imperdane (Ω)	RL (dB) Min	Attention (dB/100m) Max	NEXT loss (dB) Min	PS-NEXT (dB) Min
1.0	63.3	100±15	19.0	2.1	65.0	62.0
4.0	51.2	100±15	19.0	4.0	63.0	60.5
8.0	45.2	100±15	19.0	5.7	58.2	55.6
10.0	43.3	100±15	19.0	6.3	56.6	54.0
16.0	39.2	100±15	18.0	8.0	53.2	50.6
20.0	37.2	100±15	17.5	9.0	51.6	49.0
25.0	35.3	100±15	17.0	10.1	50.0	47.3
31.25	33.4	100±15	16.5	11.4	48.4	45.7
62.5	27.3	100±15	14.0	16.5	43.4	40.6
100.0	23.3	100±15	12.0	21.3	39.9	37.1
200.0	17.2	100±15	9.0	31.5	34.8	31.9
250.0	15.3	100±15	8.0	35.9	33.1	30.2

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