

KUNSHANG BYB WIRE & CABLE CO., LTD

Product specification

Product	CAT5E OUTDOOR UTP SOLID 24AWG×4P	NO.	S5U020	Page	1/2
Edition		Established Date	2012-03-09	Revised Date	
Approval		Checked		Finish	

Configuration & Physical Characters:

1. Conductor	Material	Bare Copper	
	Size	24AWG	
	Construction	1/0.49± 0.015	
2. Insulation	Material	HD-PE	
	Thickness	MIN at any point: 0.19mm MAX AVG:0.21 mm	
	Diameter	0.88 ± 0.01	
	Colors	Blue/White-Blue	
		Orange/White-Orange	
		Green/White-Green	
		Brown/White-Brown	
Elongation	MIN 300%		
Tensile strength	MIN 1.682Kg/mm²		
3. Jacket	Material	LD-PE	
	Thickness	MIN at any point: 0.58mm MAX AVG: 0.62mm	
	Diameter	4.9± 0.2	
	Colors	BLACK	
4. Marking	SHUNSHENG OUTDOOR 24AWGx4P CAT5E UTP ISO/IEC 11801 AND TIA/EIA 568 xxxM		

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Electric Characters:

1. Spark Test					2000 ± 250 VOC						
2. Conductor Resistance					MAX 9.38 Ω /100m at 20℃						
3. Resistance Unbalance					MAX 3%						
4. Capacitance Unbalance					MAX 330pF/100m						
5. Mutual Capacitance					MAX 560pF/100m						
6. Premise Cable Electrical Table					TIA Cat 5e Perm.Link						
Length	Prop Delay	Delay Skew	Freq	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
Max	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
90m	498	44	1	3	60.0	19.0	57.0	58.6	57.0	54.0	55.6
			4	3.9	54.8	19.0	50.9	46.6	51.8	47.9	43.6
			8	5.5	50.0	19.0	44.5	40.6	47.0	41.5	37.6
			10	6.2	48.5	19.0	42.3	38.6	45.5	39.3	35.6
			16	7.9	45.2	19.0	37.3	34.5	42.2	34.3	31.5
			20	8.9	43.7	19.0	34.8	32.6	40.7	31.8	29.6
			25	10	42.1	18.0	32.1	30.7	39.1	29.1	27.7
			31.25	11.2	40.5	17.1	29.3	28.7	37.5	26.3	25.7
			62.5	16.2	35.7	14.1	19.4	22.7	32.7	16.4	19.7
			100	21	32.3	12.0	11.3	18.6	29.3	8.3	15.6