KUNSHANG BYB WIRE & CABLE CO., LTD

Product specification

Product	CAT6 OUTDOOR UTP SOLID 24AWG×4P		NO.	S6WU002	Page	1/2
Edition		Established Date	2012-05-25	Revised Date		
Approval		Checked		Finish		

Configuration & Physical Characters:

1. Conductor	Material	Bare Copper	
	Construction	1/0.555 ± 0.015mm	
2. Insulation	Material	HD-PE	
	Thickness	MIN at any point: 0.18 mm MAX AVG:0.22 mm	
	Diameter	0.94/0.96/0.98/1.0± 0.01mm	
	Colors	Blue-White/Blue	
		Orange-White/Orange	
		Green-White/Green	
		Brown-White/Brown	
3. stranding	Latin Cross (PE)	4.8x0.35mm	
4. Jacket	Material	PVC（inner）/LD-PE（outside）	Section chart: Bare copper insulation jacket (inside pvc) jacket (outside LD-PE)
	Thickness	Inside： 0.5± 0.1mm， Outside：0.60± 0.1mm	
	Diameter	Inside： 5.8± 0.2mm， Outside： 7.0± 0.2mm	
	Colors	BLACK	
5. Marking	OUTDOOR 4PR 23AWG UTP ISO/IEC 11801 AND TIA/EIA 568 CAT6 xxxxxM		

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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 5%
4. Capacitance Unbalance	MAX 330pF/100m
5. Mutual Capacitance	MAX 560pF/100m
6. Premise Cable Electrical Table	TIA Cat 6 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	65.0	19.1	62.0	64.2	62.0	59.0	61.2
			4	3.5	64.1	21.0	60.6	52.1	61.8	58.3	49.1
			8	5	59.4	21.0	54.4	46.1	57.0	52.1	43.1
			10	5.5	57.8	21.0	52.3	44.2	55.5	49.9	41.2
			16	7	54.6	20.0	47.6	40.1	52.2	45.2	37.1
			20	7.9	53.1	19.5	45.2	38.2	50.7	42.8	35.2
			25	8.9	51.5	19.0	42.7	36.2	49.1	40.2	33.2
			31.25	10	50.0	18.5	40.0	34.3	47.5	37.6	31.3
			62.5	14.4	45.1	16.0	30.8	28.3	42.7	28.3	25.3
			100	18.6	41.8	14.0	23.3	24.2	39.3	20.7	21.2
			200	27.4	36.9	11.0	9.6	18.2	34.3	7.0	15.2
			250	31.1	35.3	10.0	4.2	16.2	32.7	1.6	13.2