

Pan-International Precision Electronic Co.,Ltd

SPECIFICATION FOR APPROVAL

CUSTOMER: FOXCONN

PART NAME: AL0000421

PART NO: 371. 01056. 005

REVISION: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
APPROVED BY:	<u>Hugo</u> <u>Chris</u> <u>Awang</u> PROJ.ENGR SUP'R ENG'G MGR ENG'G	
DATE:	2024/1/26 2024/1/26 2024/1/26	

東莞廣宇精密電子有限公司

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<http://www.panintl.com>

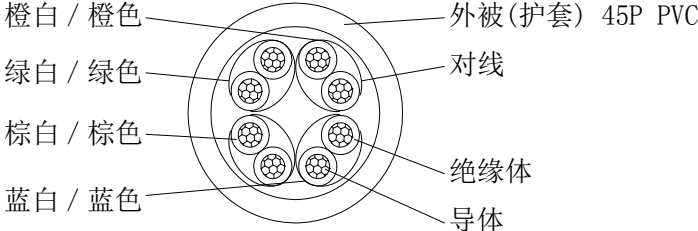
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线材工程图/CABLE DRAWING

图号/Part No: YJ-LC02-43

品名/Part Name: 4P黑色BS网线

Item(项目)		单位/Unit	规格/Specification)
产品名称/Part name			UL2835 UTP CAT. 5e 24AWG (7/0.20Bs)*4P
导体 Conductor	规格/AWG	AWG	24AWG
	材料/Material	/	绞铜/BS
	导体尺寸/Cond. Size	Pcs/mm	7/0.20BS±0.008
	绞距/Lay	mm	≤18MM
	直径/OD (REF)	mm	0.6
绝缘体 Insulation	材料/Material	/	HDPE-3364
	最小厚度/Min. Thick	mm	/
	平均厚度/Avg. Thick	mm	0.175
	外径/OD	mm	0.95±0.05
	颜色/Color	mm	橙白/橙色 绿白/绿色 蓝白/蓝色 棕白/棕色
	火花机电压/EDM Voltage	V	AC 1500
芯线对绞 Inner Layer	橙白; 橙 ORG/WHT; ORG	mm	/
	绿白; 绿 GRN/WHT; GRN	mm	/
	蓝白; 蓝 BLU/WHT; BLU	mm	/
	棕白; 棕 BRN/WHT; BRN	mm	/
	外径(参考用)	mm	/
总绞 Outside Layer	绞距/Lay	mm	/
	直径/OD (REF)	mm	/
外 被 Jacket	材料/Material	mm	45P/55P PVC(阻燃)
	颜色/Color		黑色/BK001
	最小厚度/Min. Thick	mm	0.7
	平均厚度/Avg. Thick	mm	0.75
	外径/OD	mm	5.5±0.2
	火花机电压/EDM Voltage	V	AC 1500
印 字 Marking	E344096  AWM 2835 24AWG 60°C 30V TIA/EIA 568B.2 UTP CAT. 5e		
颜色/Color	喷码白色2.6MM		
印字轮			
构造图 Structural Drawing			
2019-12-20	A		首 次 发 行/First Release
日 期/Date	版本/Rev	ECN. NO.	修订记录/Revision List

QR-EG-054 A/0

核准/Approved:

审核/Checked:

制作/Drawing: XIAO

Pan-International Precision Electronic Co.,Ltd.
Sample test report

SPECIFICATION	RJ45 cable CAT.5E l=1.5m Black		Date	2024-1-26
Customer		Drawing	AL0000421	
Q' TY:	3 PCS	Customer P/N	371.01056.005	
Test project: Swing test				
test condition	load:150g, Angle:±60° (right and left), R:12.7mm, Speed: 20cycle/1min ,500times			
requirement	good electrical properties.			
NO.	TEST RESULT			JUDGE
1#	good electrical properties.			PASS
2#	good electrical properties.			PASS
3#	good electrical properties.			PASS
				

Tester:ChenQinghua

Checker:WuRong

Approver:: YaoKai

Pan-International Precision Electronic Co.,Ltd.

Sample test report

SPECIFICATION	RJ45 cable CAT.5E l=1.5m Black		Date	2024-1-26
Customer		Drawing	AL0000421	
Q' TY:	3 PCS	Customer P/N	371.01056.005	
Test project	temperature shock			
TESTER	High and low temperature test chamber			
test condition	Test temperature : -25±3℃/+70±3℃ Time of Duration 1H/1H , Test: 5 cycles.			
requirement	Good appearance and electrical			
NO.	TEST RESULT			JUDGE
1#	Good appearance and electrical			PASS
2#	Good appearance and electrical			PASS
3#	Good appearance and electrical			PASS



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Pan-International Precision Electronic Co.,Ltd.
Sample test report

SPECIFICATION	RJ45 cable CAT.5E l=1.5m Black		Date	2024-1-26
Customer		Drawing	AL0000421	
Q' TY:	3 PCS	Customer P/N	371.01056.005	
Test project: Lifting test				
test condition	load:6Kgf, Position:The plug is 50CM far from the other end of sample Time:2 Minutes			
requirement	good electrical properties.The changing length is less 2MM			
NO.	TEST RESULT			JUDGE
1#	good electrical properties.The changing length is less 2MM			PASS
2#	good electrical properties.The changing length is less 2MM			PASS
3#	good electrical properties.The changing length is less 2MM			PASS
  				

Tester:ChenQinghua

Checker:WuRong

Approver:: YaoKai

Pan-International Precision Electronic Co.,Ltd.
Sample test report

SPECIFICATION	RJ45 CABLE L=1.5M CAT. 5E BLACK		Date	2024-1-26
Customer		Drawing	AL0000421	
Q' TY:	3 PCS	Customer P/N	371.01056.005	
test item:continuity test				
measuring and test	The tp-170 wire tester			
test condition	Measure the 0on impedance of the cable conductor with a low resistance tester			
requirement	≤5 Ω			
NO.	TEST RESULT			JUDGE
1#	≤5 Ω			PASS
2#	≤5 Ω			PASS
3#	≤5 Ω			PASS
				

Tester:ChenQinghua

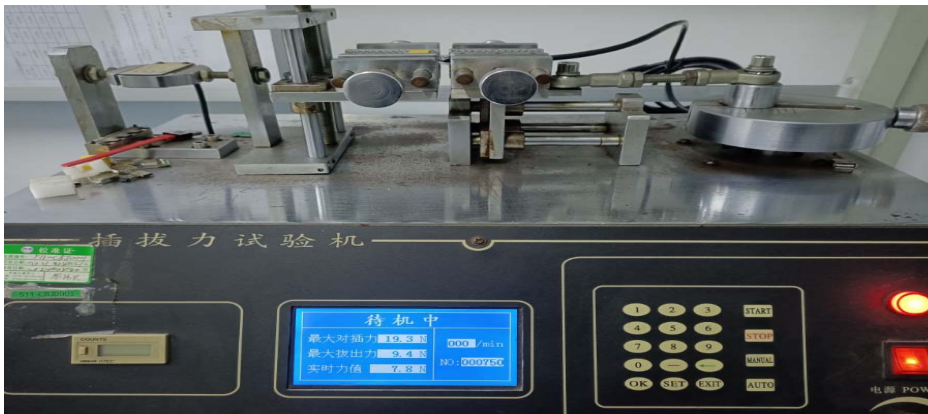
Checker: WuRong

Approver:: YaoKai

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Sample test report

SPECIFICATION	RJ45 cable CAT.5E l=1.5m Black		Date	2024-1-26
Customer		Drawing	AL0000421	
Q' TY:	3 PCS	Customer P/N	371.01056.005	
Test project: Plug-off reliability test				
test condition	Insert and withdraw using the mating jack 750 times at the max rate of 10 times/min			
requirement	Crystal head has normal appearance, good elasticity, no fracture, crack, white phenomenon, After the test, the electrical characteristic test shall be redone and meet the relevant requirements			
NO.	TEST RESULT			JUDGE
1#	Crystal head has normal appearance, good elasticity, no fracture, crack, white phenomenon, electrical performance OK			PASS
2#	Crystal head has normal appearance, good elasticity, no fracture, crack, white phenomenon, electrical performance OK			PASS
3#	Crystal head has normal appearance, good elasticity, no fracture, crack, white phenomenon, electrical performance OK			PASS



Tester:ChenQinghua

Checker:WuRong

Approver:: YaoKai



Cable ID: AL0000421

Date / Time: 01/26/2024 08:30:34 PM

Headroom 23.4 dB (NEXT 36-78)

Test Limit: TIA Cat 5e Channel

Cable Type: Cat 5e U/UTP

Calibration Date: 04/20/2015

Operator: Your Name

Software Version: 2.7800

Limits Version: 1.9500

NVP: 69.0%

Test Summary: PASS

Model: DTX-1800

Main S/N: 9692017

Remote S/N: 3192026

Main Adapter: DTX-CHA002

Remote Adapter: DTX-CHA002

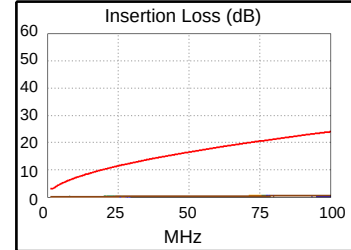
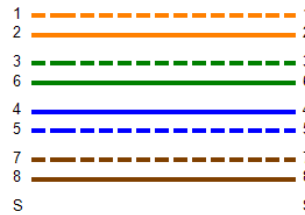
Length (ft), Limit 328	[Pair 12]	5
Prop. Delay (ns), Limit 555	[Pair 12]	7
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 12]	0.4
Insertion Loss Margin (dB)	[Pair 12]	22.9
Frequency (MHz)	[Pair 12]	95.0
Limit (dB)	[Pair 12]	23.3



5 ft



Wire Map (T568B) PASS



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	36-78	36-78	36-78
NEXT (dB)	23.8	23.4	28.8	25.7
Freq. (MHz)	14.9	1.6	100.0	93.0
Limit (dB)	44.1	59.9	30.1	30.6
Worst Pair	36	36	36	78
PS NEXT (dB)	23.8	24.9	30.0	27.4
Freq. (MHz)	13.9	1.6	100.0	93.0
Limit (dB)	41.6	56.9	27.1	27.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	25.1	25.1	25.2	25.1
Freq. (MHz)	94.8	94.8	98.8	98.8
Limit (dB)	17.9	17.9	17.5	17.5
Worst Pair	45	45	45	45
PS ACR-F (dB)	27.2	27.2	27.4	27.6
Freq. (MHz)	91.5	1.1	98.8	99.3
Limit (dB)	15.2	53.4	14.5	14.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	36-78	36-78	36-78
ACR-N (dB)	29.5	26.4	52.4	48.4
Freq. (MHz)	5.0	1.6	100.0	93.0
Limit (dB)	47.0	56.9	6.1	7.5
Worst Pair	78	36	36	78
PS ACR-N (dB)	29.7	27.9	53.6	50.1
Freq. (MHz)	5.0	1.6	100.0	93.0
Limit (dB)	44.0	53.9	3.1	4.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	6.8	1.3	10.5	1.3
Freq. (MHz)	1.0	1.0	83.0	1.0
Limit (dB)	17.0	17.0	10.8	17.0

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

