

东莞市博众电气有限公司

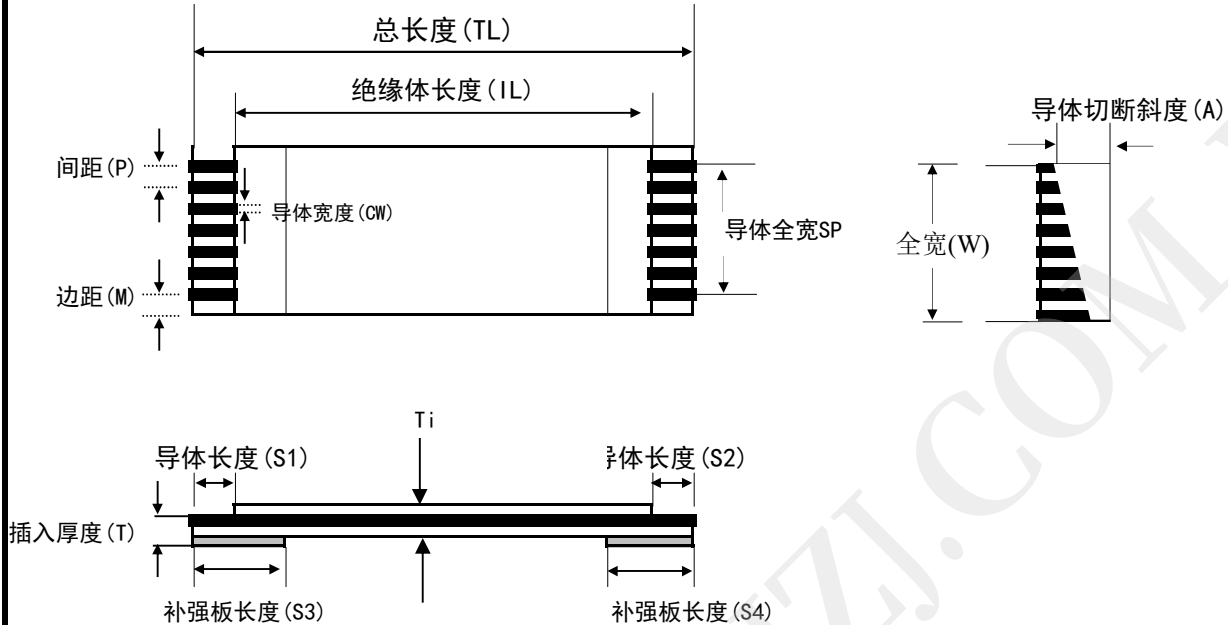
Dongguan Bozhong Electrical Co., Ltd

产品名称Product: FFC排线 A面（同面）

产品型号Part No: BTC05A-NP-TL-3-4

规格书

UL STYLE NO. 20624, Non Deca (43 μ m) Film , LFCu, Supporting Tape:0.225mm



P	T. L	W	SP	M	T	Ti	S1	S2	S3	S4	A	NO. OF CONDUCTOR
0.50	L	3.50	2.50	0.50	0.3	0.121	3.0	3.0	4.0	4.0	0.5	6
±0.1	±2.0	±0.1	±0.1	±0.1	± 0.05	±0.05	±0.5	±0.5	±1.0	±1.0	小于	
导体规格		扁平铜板					厚度 (CT)		0.035		±0.005	
		镀锡皮厚度: 1.0 μ 以上					宽度 (CW)		0.3		±0.03	

B T C 0 5 A - NP-TL-S1/S2-S3/S4

FFC连接器	间距	导体数	总长度	导体长度	补强板长度
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[illegible]

MATERIAL SPECIFICATION

PRODUCT	FLEXIBLE FLAT CABLE				
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UL STYLE NO.	VOLTAGE RATING	OPERATING TEMPERATURE	UL FILE NO.	MARKING
☐ AWM 2896	30V	80℃		AWM 2896 80℃ VW-1
☒ AWM 20624	60V	80℃		AWM 20624 80℃ VW-1
☐ AWM 20706	60V	105℃		AWM 20706 105℃ VW-1

CONDUCTOR	SIZE (Ct×Cw)	RATED CURRENT	RESISTANCE	REMARKS
	☐ 0.1X1.27	2A	0.17Ω/M	* TIN PLATED COPPER WIRE
	☐ 0.1X0.8	2A	0.27Ω/M	:99.994% PURE COPPER
	☐ 0.1X0.7	2A	0.33Ω/M	* TOLERANCE OF THICKNESS
	☐ 0.1X0.65	2A	0.35Ω/M	:±0.005
	☐ 0.1X0.5	1A	0.42Ω/M	* TOLERANCE OF WIDTH
	☐ 0.1X0.3	1A	0.70Ω/M	:±0.03
	☐ 0.05X0.8	1A	0.53Ω/M	* EXTENSION RATE
	☐ 0.05X0.65	1A	0.63Ω/M	:OVER THAN 15%
	☐ 0.05X0.6	1A	0.65Ω/M	* STRAIN STRENGTH
	☐ 0.035X0.8	1A	0.83Ω/M	:OVER THAN 13Kgf/mm ²
	☐ 0.035X0.7	1A	0.60Ω/M	* PLATING THICKNESS
	☐ 0.035X0.6	1A	0.96Ω/M	:0.075μ 以上
	☐ 0.035X0.3	0.5A	1.80Ω/M	
	☒ 0.035X0.3	0.5	1.89Ω/M	
☐ 0.022X0.3	0.5A	3.18Ω/M		
☐ 0.1X0.5(P)	0.5A	2.80Ω/M	* TIN PLATED PHOSPHORUS BRONZE WIRE	
LEAD FREE ☒			G ☐ D	

INSULATION FILM	NO.	BASE FILM	ADHESIVE	TOTAL THICKNESS	REMARK	COLOR
	☐ 1	PET 25μm	35μm	60μm	REGULAR	☐ WHITE ☐ BLACK
	☒ 2	PET 19μm	24μm	43μm	SUPER FLEX	☒ WHITE
	☐ 3	PET 12μm	25μm	37μm	ULTRA FLEX	☐ WHITE
DECA FREE ☐						

SUPPORTING TAPE	NO.	BASE FILM	ADHESIVE	TOTAL THICKNESS	COLOR
	☐ 1	PET 125μm	35μm	160μm	☐ WHITE ☐ BLUE
	☒ 2	PET 190μm	35μm	225μm	☐ WHITE ☒ BLUE
	☐ 3	PET 215μm	35μm	250μm	☐ WHITE ☐ BLUE
	☐ 4	PET 250μm	35μm	285μm	☐ WHITE ☐ BLUE

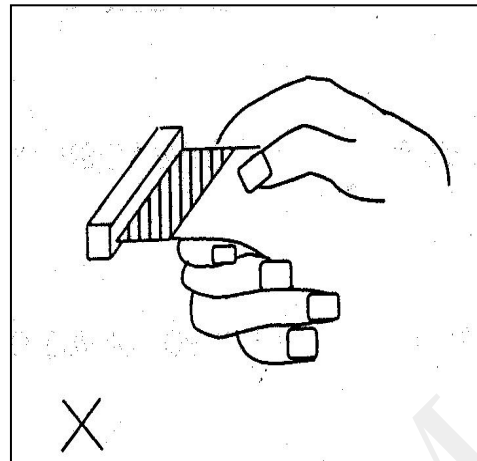
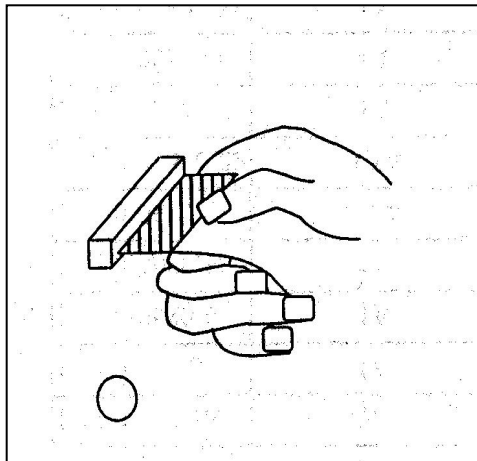
EMI SHIELD	ALUMINIUM FOIL [μm] COPPER FOIL [μm] FABRIC TAPE [μm] LAMINATION []
DOUBLE SIDE TAPE	

DIELECTRIC VOLTAGE WITHSTAND TEST	AC 500V/10mA 1分钟
INSULATION RESISTANCE TEST	DC 500V/100Ω/M
AGING	85℃/96 HR

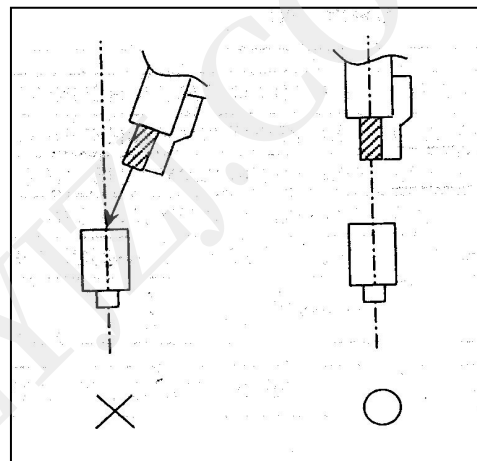
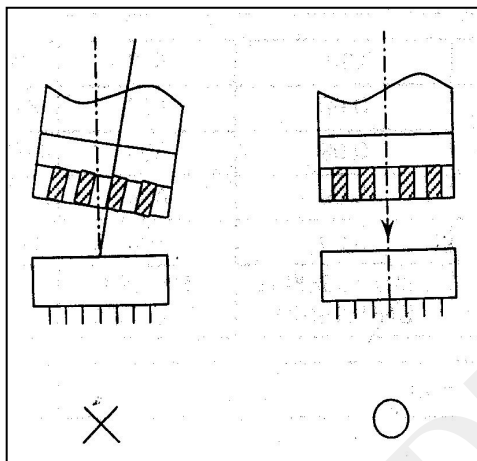
FLEXIBILITY	GENERAL	10,000 Min (R5×240/Min×40mm/Reciprocating)
	FLEX	100,000 Min (R5×240/Min×40mm/Reciprocating)
	SUPER	3,000,000 Min (R5×240/Min×40mm/Reciprocating)
	ULTRA	6,000,000 Min (R5×240/Min×40mm/Reciprocating)
FLAMMABILITY		PASS UL VW-1

Matters that demand special attention :

- * When insert to connector, please insert straight correctly with Joiner's supporting-tape.



- * When insert to connector, please avoid excessive force.



- * After insert to connector, shall be not bend at supporting-tape excessive because Joiner is broken

