



Material:
Insulation Film: Polyester White
Supporting Tape: Polyester Blue
Conductor: Tin Plated Flat Copper Wire
UNIT: mm

SYMBOL	P	W	SP	M	A	TL	T	S1	S2	S3	S4
RANGE	1.0	4.0	2.0	1.0	0.0	102.0	0.3	4.0	4.0	6.0	6.0
TOLERANCE	±0.10	±0.15	±0.1	±0.15	<0.5	±2.0	±0.05	±1.0	±1.0	±2.0	±2.0
CONDUCTOR	TIN PLATED COPPER WIRE				THICKNESS(Ct)		0.05				
SPECIFICATION	(TIN 1~3um)				WIDTH(Cw)		0.65				

FPA-CA03-102-LF
LEADFREE
RoHS Compliant

FFC CABLE Charateristics特性表 UL STYLE: 20624

Test Item 測試項目	Testing Method 測試方法	Specification 規格
1 Conductor resistance導體阻抗	JIS-C-3102(at20℃)	0.63Ω/m MAX.
2 Insulation resistance絕緣阻抗	Apply the voltage of DC 500V for min	More than 1000MΩ 小於1000MΩ
3 Dielectric Srtength耐壓強度	AC 500V, 0.5Ma, 1分鐘, 相鄰兩導體在空氣中	PASS
4 Continuity Test導通測試	Apply Test DC 3V	No open/Short Citcuit
5 Rated Voltage&Temperature 額定電壓及溫度	UL Sub, 758	60V 80℃
6 Operating Temperature操作溫度	Fixed Wiring Condition	-20℃~80℃
7 Flammability Test耐燃性測試	UL Sub, 758 V W-1	PASS
8 Heat Resistance抗熱測試	85℃ / 95Hrs	No Trouble with insulation Resistance and withstand voltage絕緣電阻與耐電壓符合要求
9 Humidity Resistance抗溼測試	40℃ , 95%RH, 96Hrs	
10 Temperature Cycling Test 溫度循環測試	-40℃~-25℃~-85℃~-25℃ ORH 65RH	
11 Flexing Test柔性測試	600g重物垂吊夾具, 0.5R, 180度 60cycle/min 往復運動	耐曲折測試≥ 100cycle
	10R, 180mm, 70cycle/min 往復運動	耐曲折測試≥ 100,000cycle
13 Abrasion Test耐磨測試	Ø0.5mm, 600g, 60cycle/min	Min 100,000cycles 100,000回以上

MORETHANALI
CONNECTORS
ASSEMBLIES

煜倫股份有限公司

PART NO. FPA-CA03-102											
DWG NO. FPA-CA03-102		CHECKED BY CY		TOLERANCES ARE .X ± 0.2 .XX ± 0.1 .XXX ± .001 AWG		DESCRIP TION:					
FILE NO.		DRAWING BY									
UNIT / mm	SCALE 1:1	PROJECTION 				AREA	REVISIONS	HK	DATE		