

	1	2	3	4	5	6	7	8	9	0
J										
I										
H										
G										
F										
E										
D										
C										
B										
A										

N= No Of Conductor

Note:
*Rohs: Yes
*儲存環境/Storage environment:16c~27c 65RH%

Technical drawing of a cable assembly. The top view shows a rectangular cable with dimensions: A (width of conductor area), M (margin width), TL (total length), W (total width), SP (total pitch), CW (conductor width), P (pitch), S1 and S2 (conductor positions), S3 and S4 (supporting tape positions), CT (conductor thickness), and T (total thickness). The side view shows the cable profile with Marking / 印字面 (marking area). The bottom view shows the cable cross-section with Conductor, Polyester Film, Supporting Tape, and Polyester Film layers.

FPA-CA04-022-LF
LEADFREE
RoHS Compliant

Dimension / 尺寸				Material / 材料					
Item / 項目		Symbol / 代號	Range / 尺寸	Tolerance / 公差	Item / 項目		Specification / 規格		Remark / 備註
1	No of Conductors / 導體數目	N	4	/	1	Insulation / 膠膜	UL20706 White	0.06	PET
2	Pitch / 導體間距	P	1.0	±0.1	2		White	0.06	PET
3	Total Length / 總長度	TL	22	±2.0	3	Support Tape / 補強板	Blue	0.16	PET
4	Margin Width / 邊寬	M	1.0	±0.1	4	Conductor / Plating 導體 / 鍍層	Thickness (Ct)	0.1	±0.005
5	Terminal Thicknes / 線端總厚度	T	0.30	±0.05			Width (Cw)	0.65	±0.03
6	Contact Length / 接觸面長度	S1	2	±0.5			Plated	1~3um	Sn
7	Supporting Length / 補強板長度	S2	2	±0.5			/	/	/
		S3	3	±0.8			/	/	/
		S4	3	±0.8			/	/	/
8	Total Width / 總寬度	W	9.00	±0.15			/	/	/
9	Toal Pitch / 內部總間距	SP	7.00	±0.10			/	/	/
10	Slope / 切口斜度	A	0.0	<0.05			/	/	/

Charateristics / 特性表			UL STYLE 20706
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℃)	0.33 Ω/M MAX.	
2 Insulation resistance / 絕緣阻抗	Apply the voltage of DC 500V for min	More than 1000MΩ 大於 1000MΩ	
3 Dielectric Srtnegth / 耐壓強度	AC 500V, 0.5Ma, 1分鐘,在空氣中相鄰兩導體	PASS	
4 Continuity Test / 導通測試	Apply Test DC 3V	No open/Short Citcuit	
5 Rated Current / 額定電流	/	2.0A	
6 Rated Voltageg & Temperature / 額定電壓及溫度	UL Sub, 758	60V 105℃	
7 Operating Temperature / 操作溫度	Fixed Wiring Condition	-40℃~105℃	
8 Flammability Test / 耐燃性測試	UL Sub, 758 V W-1	PASS	
9 Heat Resistance / 抗熱測試	85℃ / 96 hrs	No Trouble with insulation Resistance and withstand voltage 絕緣電阻與耐電壓符合要求	
10 Humidity Resistance / 抗溼測試	40℃ , 95%RH, 96 hrs		
11 Temperature Cycling Test / 溫度循環測試	-40℃ for 4hrs--85℃ for 4hrs--25℃ for 1hrs (5 cycle)		
12 Sliding Test / 柔性測試	R=Cable thickness	耐曲折測試≥30cycle	
	15mmR,70 cycle / min , 25mm 往復運動	耐曲折測試≥100,000cycle	
14 Abrasion Test / 耐磨測試	Ø5mm,600g,60cycle/min	Min 10,000cycles 10,000回以上	

ORETHANALL

CONNECTORS
ASSEMBLIES

煜倫股份有限公司

PART NO. FPA-CA04-022

DWG NO. FPA-CA04-022

FILE NO.

UNIT / mm

SCALE 1:1

CHECKED BY CY

DRAWING BY

PROJECTION

TOLERANCES ARE
X. ±
.X ±
.XX ±
.XXX ±
ANG

DESCRIPTION:

AREA

REVISIONS

DATE