

大 廣 有 限 公 司
DA KOANG CO., LTD.

認 證 用 規 格 書
SPECIFICATION FOR APPROVAL

品名(Model): 6124E

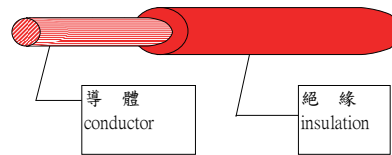
鍍錫銅UL電子線 Tinned copper UL SingleWire

規格

(Specifications):

UL1007/CSA : 80℃ dry, 75℃ wet, 300 V.

構造圖(Constructional drawing):



1. 導體 導體為電器、車類、電子、電腦等用軟銅線，其可分為裸銅或鍍錫之單芯線或絞線及先絞後鍍錫線。

(Wire's conductor Material is soft and high purity's Copper just for Electronic、Car、CoMputer..... use).

There are have Copper or tinned Copper's products to be solid or stranded Mode)

2. 絕緣體 絕緣體為軟質PVC，其厚度、外徑如構造表。

(Wire's Material is for Pvc insulation, and thickness or O.D. just indicate the following:)

3. 構造表: **STRUCTURE & ELECTRIC PROPERTIES** :

一. 構 造: STRUCTURE

規 格 Specifications			導 體 Conductor				絕 緣 體 Insulation				導體電阻 MaxiMuM Conductor Resistance (20℃)	容許電 流/KM AdMit Max. current (40℃)
AWG	實質平方 數(mm ²)	市上稱呼 平方數 (MM ²)	構 造 Structure		標準絞合 外徑 Stranded diameter	最小厚度 MiniMuM thickness	標準厚度 Sdandard thickness	外 徑 O. D.				
24#	0.3		0.160mm	/11	± 0.010mm	T	0.61mm	0.374mm	0.405mm	1.5mm ± 0.10mm	88.600Ω/KM以下↓	5.3

註：導體： S 為裸銅線
S is original copper

T 為鍍錫線
T is for tinned copper

TC為先絞後鍍錫線
TC is for tinned copper after stranded

N為單蕊銅
N is for single solid copper

二. 電氣特性: Electric properties

項目 iteM	絕緣體 Insulation
額定電壓溫度 Specified voltage and teMperature	UL/CSA : 80℃ 300 V (peak)
火花試驗 Spark test	5 KV不穿破 The insulation Must be withstand 5 KV high-tension current
耐電壓 Insulation potengial strength	AC水中2000V/Min. 2000V/Min (for water's environMent)
最小絕緣電阻 MiniMuM insulation resistance	20℃, DC500V 15 MΩ·KM 以上↑

三. 物理特性 Physical properties

項目 IteM	絕緣體 Insulation
耐 燃 試 驗 規 範 Based on standard of flaMMability Material testing	
老化前試驗 Before of aging test	絕緣抗張強度 kg/MM Insulation tensile strength test kg/MM
	1500psi ↑
老化後試驗 After of aging test	絕緣伸長率% Insulation elongation test rate %
	100% ↑
老化後試驗 After of aging test	絕緣抗張殘率% Insulation tensile reMnant rate %
	老化後 (113℃,168小時)為老化前值 70% 以上 This amount must be above 70% Afeter heat ageing (113℃,168hrs)
老化後試驗 After of aging test	絕緣伸長殘率% Insulation elongates reMnant rate %
	老化後 (113℃,168小時)為老化前值 65% 以上 This amount must be above 65% Afeter heat ageing (113℃,168hrs)
加熱變形試驗 Heating distortion test	溫度120℃,1小時,不可變形 The test teMperature Must aMount for 1hour for 120℃ the tiMe then the wire cannot be distorted.
熱衝擊試驗 TherMo shock test	溫度120℃,1小時不龜裂 The insulation face Must be no cracked, high teMperature at 120℃ for 1hour.
冷彎試驗 Cold bending test	溫度-40℃, 3小時, 通電1000V, 1分鐘後不可龜裂 The insulation face Must be no cracked, cooled at -40℃ for 3hour and bent, to withstand 1000V for 1Min.
耐油試驗 Oil resistance	浸於80℃油中4小時, 彎曲後需耐1000V、1分鐘 IMMersed in oil at 50℃ for 20h and bent, to withstand 1000V for 1Min.

下列電
流表僅
供參考
，因最
大容許
電流無
法用測
試方式
取得