

大 廣 有 限 公 司
DA KOANG CO., LTD.
認 證 用 規 格 書
SPECIFICATION FOR APPROVAL

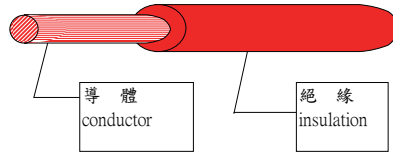
品名(M odel): 6123D

鍍錫銅UL電子線 Tinned copper UL SingleWire

規格
(Specifications):

UL1015/CSA : 105℃ , 600 Vac , 750 Vdc ,

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℃)	UL規定最 小值
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.					
18#	0.9		1.030mm	/1	± 0.010mm	T-N	1.03mm	0.780mm	0.825mm	2.7mm ± 0.10mm	23.600 Ω/KM以下↓	17.2	0.685mm

註：導體： S 為裸銅線 T 為鍍錫線 TC為先絞後鍍錫線 N為單蕊銅
S is original copper T is for tinned copper TC is for tinned copper after stranded 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 : 105℃, 600 Vac, 750Vdc.
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(136℃,168小時)為老化前值70% 以上 This amount Must be above 70% Afeter heat ageing (136℃,168hrs)
老化後試驗 After of aging test	絕緣伸長殘率% Insulation elongates remnant rate %
	老化後(136℃,168小時)為老化前值65% 以上 This amount Must be above 65% Afeter heat ageing (136℃,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
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大容許
電流無
法用測
試方式
取得

通過