

# 大廣有限公司 DA KOANG CO., LTD.

## 認證用規格書 SPECIFICATION FOR APPROVAL

本公司電腦檔號  
(Program code) :



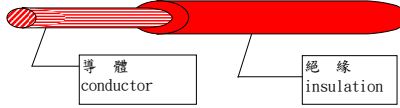
品名(Model): 6123A

汽機車等運送工具、電子、電器類使用低壓PVC花線  
Electric, automobile pvc wire

規格(Specifications):

80°C~90°C 300V-600V **0.3mm<sup>2</sup>~150mm<sup>2</sup>**

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。  
(Wire's conductor material is soft and highly conductivity just for Electronic, Automobile, Publicity and Computer use. There are 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°C)	容許電流 /KM Allow Current/KM		
線種材質 Material	實質平方數 (mm <sup>2</sup> )	市上慣稱平方數(mm <sup>2</sup> ) Commonly know on the market	構造 Structure						標準絞合外徑 Stranded diameter	最小厚 Minimum thickness	標準厚 Sdandard thickness	外徑 O. D.				
	0.20	0.2	0.5	/1	*	*	*	± 0.010mm	T -N	0.500mm	0.30mm	0.350mm	1.20mm	± 0.10mm	70.500Ω/KM以下↓	7

市面上通用  
規定最小值  
0.3000mm 通過

註：導體(Conductor)： S 為裸銅線 T 為鍍錫線 N 為單芯銅  
S is original copper T is for tinned copper N is for single solid copper  
A : 表示汽車用低壓電線 V : 表示聚氣乙烯絕緣體 S : 表示薄肉 SS: 表示超薄肉 HD: 表示厚肉  
A is automatic car... low voltage wire. V is PVC material. S is thin insulation SS is ultra thin insulation HD is thick insulation wire.

註：絕緣(Insulation)： CAVS: 表示壓縮導體超薄肉 CAVS: 表示壓縮導體薄肉 CP: 表示耐寒  
CAVS is compressed conductor with ultra thin insulation. CAVS is compressed conductor with thin insulation low temperature resistance

註：因使用環境周圍溫度、使用產品負載溫度、使用連續性或斷續性、絕緣塑化原材等條件，會產生遞減介質數而影響。  
上列容許電流僅供參考於設計使用時依電工法規計算後再視影響條件決定。  
Here to advise the above Allow Current just for reference, must be according the fact test value.

二. 電氣特性: Electric properties

項目 item	規格 spec
額定電壓溫度、規範 Specified voltage and temperature & standard	JIC 3406 / ROHS / RECOMOV, -40°C~85°C
火花試驗 Spark test	5 KV不穿破, 0.15秒 The insulation Must be withstand 5 KV high tension 0.15秒
耐電壓 Insulation potential strength	AC水中 2.000V/Min. 2000V/Min ( for water's environment )
最小絕緣電阻 Minimum insulation resistance	20°C, 5 MΩ-Km以上↑

三. 物理特性 Physical properties

項目 Item	規格 spec
耐燃試驗規範 Based on standard of flammability material testing	依JIS 3406 規定合格之。燃燒後，火焰在15秒內應自動熄滅 According for SAE J1128 spec. After burning, flame to go out of itself within 15sec.
老化前試驗 Before of aging test	絕緣抗張強度 kgf/mm <sup>2</sup> Insulation tensile strength test kgf/mm <sup>2</sup> 1.63以上↑ 絕緣伸長率% Insulation elongation test rate % 125% 以上↑
老化後試驗 After of aging test	絕緣抗張殘率% Insulation tensile remnant rate % 老化後(100°C±2°C,48小時)為老化前值70% 以上 This amount Must be above 70% Afeter heat ageing (100°C±2°C, 48hrs) 絕緣伸長殘率% Insulation elongates remnant rate % 老化後(100°C±2°C,48小時)為老化前值65% 以上 This amount Must be above 65% Afeter heat ageing (100°C±2°C, 48hrs)
加熱變形試驗 Heating distortion test	溫度120°C,120小時, 通電1,000V, 1分鐘後不可龜裂 The insulation face Must be no cracked, high temperature at 120°C for 1hour.
熱衝擊試驗 Thermo shock test	溫度120°C,1小時, 通電1,000V, 1分鐘後不可龜裂 The insulation face Must be no cracked, high temperature at 120°C for 1hour and bent, to withstand 1000V for 1Min.
冷彎試驗 Cold bending test	溫度-40°C, 3小時 通電000V, 1分鐘後不可龜裂 The insulation face Must be no cracked, cooled at -40°C for 3hour and bent, to withstand 1000V for 1Min.
耐油試驗 Oil resistance	浸於50°C油中20小時, 彎曲後需耐1000V, 1分鐘 Immersed in oil at 50°C for 20h and bent, to withstand 1000V for 1Min.