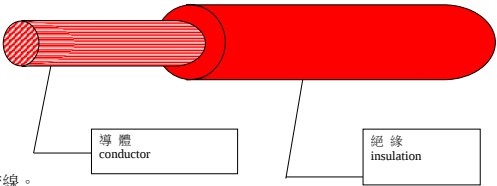


認 證 用 規 格 書

SPECIFICATION FOR APPROVAL

本公司電腦檔號 (Program code) :	KIV	導體尺寸 /	導體數量	-(顏色)	-包裝數量
品名(Model):	PVC 細蕊花線 PVC soft conductor Wire for machinal、contral panel.				
規格(Specifications):	105℃ , 600 V, 100 mm^2				

構造圖(Constructional drawing):



1. 導體：導體為電器、車類、機械、控制配盤等用軟銅線，其可分為單芯線或絞線。
(Wire's conductor material is soft and high purity's Copper ,just for Electronic、Car、Machine、Contral panel、.... use .
The 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					最大導體電阻 Maximum Conductor Resistance Ω/km (20℃)	最小絕緣電阻 Minimum Insulation Resistance MΩ/km (20℃)	容許電流 Allow Current/A/40℃	
線種材質 Material	實質平方數 (mm^2)	市上慣稱平方數 (mm^2) Commonly know on	構 造 Structure									最小厚 Minimum thickness	標準厚 Sdandard thickness	外 徑 O.D.						
KIV	100.85	100	0.200mm	/87	*	37	*		±	0.01mm	S	13.09mm	2.48mm	2.950mm	19.00mm	±	0.30mm	0.170 Ω/KM以下↓	30 MΩ·Km 以上↑	298

註：導體(Conductor) S 為裸銅線 N為單蕊銅
S is original copper N is for single solid copper

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。請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	CNS 6070 C2077, -20℃~105℃, 600 V
火花試驗 Spark test	100.0mm^：2.5 KV 不穿破 The insulation must be with stand according above situation high-tension current
耐電壓 Insulation potengial strengh	AC水中2,000V/min. 2,000V/min (for water's environment)

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		依據CNS 6070 C2077規定 15秒內自動熄滅 According for CNS 6070 C2077 Spec. in 15 seconds extinguish spontaneously
老化前試驗 Before of aging test	絕緣抗張強度 kgf/mm ² Insulation tensile strength test kgf/mm ²	1 kgf / 9.81MPa以上↑
	絕緣伸長率% Insulation elongation test rate %	100% 以上↑
老化後試驗 After of aging test	抗張殘率% Tensile remnant rate	老化後(100℃±2℃,48小時) 老化前85% 以上 This amount must be above 85% Afeter heat ageing (100℃±2℃,48hrs)
	伸長殘率% Elongates remnant rate	老化後(100℃±2℃,48小時) 老化前80% 以上 This amount must be above 80% Afeter heat ageing (100℃±2℃,48hrs)
加熱變形試驗 Deformation 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 Heat shock test		溫度120℃,1小時不龜裂 This face must be no cracked Afeter heat ageing (121℃,1hr)
冷彎試驗 Cold bend test		溫度-40℃, 1小時, 通電1000V, 1分鐘後不可龜裂 The insulation face must be no cracked, cooled at -40℃ for 1hour and bent, to withstand 1000V for 1min.
耐油後試驗 Oil resistance	抗張殘率% Tensile remnant rate	浸油後(85℃±2℃,4小時) 浸油前85% 以上 This amount must be above 85% Afeter Immersed in oil at 85℃ for 4h
	伸長殘率% Elongates remnant rate	浸油後(85℃±2℃,4小時) 浸油前85% 以上 This amount must be above 85% Afeter Immersed in oil at 85℃ for 4h

四. 印字：

KIV 100 mm^2 105℃ 600V WIRE CSA AWM A/B AWG FT1 301301 ROHS TYC CE

電流表僅供參考，因最大容許電流無法用測試方式取得。
建議使用範圍以所之提供值之70~80%為原則，
再依市售線材之截面積是否足？再降折使用之較為安全！