

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

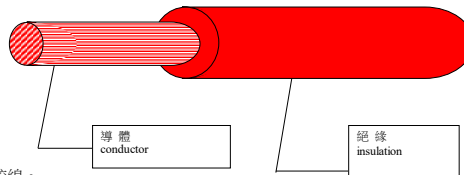
品名(Model):

PVC 細蕊花線 PVC soft conductor Wire for machinal、contral panel.

規格(Specifications):

105℃ , 600 V, 5.5mm²

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 M Ω/km (20℃)	容許電流 Allow Current/A/40℃		
線種材質 Material	實質平方數 (mm²)	市上慣稱平方數 (mm²) Commonly know on	構 造 Structure					標準絞合外徑 Stranded diameter	最小厚 Minimum thickness	標準厚 Standard thickness	外 徑 O.D.								
KIV	5.32	5.5	0.254mm	/105	*		*	±	0.01mm	S	3.01mm	0.89mm	0.950mm	5.00mm	±	0.10mm	3.800 Ω/KM以下↓	50 M Ω-Km 以上↑	49

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	0.3~8.0mm ² : 1.5 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 5.5mm² 105℃ 600V WIRE CSA AWM A/B 12 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!