

鼎泰豐科技集團股份有限公司
D T F TECH GROUP
台灣鐵線股份有限公司
TAIWAN YI CHENG CO., LTD
鼎泰豐電線電纜股份有限公司
DING TAI FENG ELECTRIC WIRE & CABLE IND. CO., LTD.

公司(外貿部門): International
Division
工廠部門(電線生產部門):
Factory Division (Wire &

桃園市蘆竹區長榮路165號(台茂百貨正後方)
No. 165, Changrong Rd., Luzhu Township, Taoyuan County 33859, Taiwan (R.O.C.)
桃園市蘆竹區長榮路165號(台茂百貨正後方)
No. 165, Changrong Rd., Luzhu Township, Taoyuan County 33859, Taiwan (R.O.C.)

TEL : 03-312-9090

FAX : 03-312-

認證規格書
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

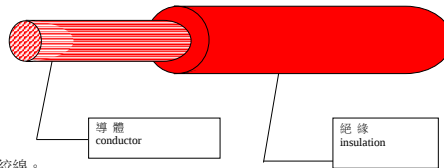
品名(Model):

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

規格(Specifications):

105°C · 600 V. 0.75mm²

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°C)	最小絕緣電阻 Minimum Insulation Resistance MΩ/km (20°C)
線種材質 Material	實質平方數 (mm ²)	市上價稱平方數 (mm ²) Commonly know on	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.		
KIV	0.76	0.75	0.180mm	/30	*	*	±	0.01mm	S	1.14mm	0.60mm	0.640mm	2.50mm ± 0.10mm	24.400 Ω/KM以下↓	50 MΩ-Km 以上↑

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、絕緣塑化原材料等條件, 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°C~105°C, 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 potentional strength	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°C±2°C, 48小時) 老化前85% 以上 This amount must be above 85% Afeter heat ageing (100°C±2°C, 48hrs)
	伸長殘率% Elongates remnant rate 老化後(100°C±2°C, 48小時) 老化前80% 以上 This amount must be above 80% Afeter heat ageing (100°C±2°C, 48hrs)
加熱變形試驗 Deformation test	溫度120°C, 1小時, 不可變形 The test temperature must amount for 1hour for 120°C the time then the wire cannot be distorted.
熱衝擊試驗 Heat shock test	溫度120°C, 1小時不龜裂 This face must be no cracked Afeter heat ageing (121°C, 1hr)
冷彎試驗 Cold bend test	溫度-40°C, 1小時, 通電1000V, 1分鐘後不可龜裂 The insulation face must be no cracked, cooled at -40°C 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°C±2°C, 4小時) 浸油前85% 以上 This amount must be above 85% Afeter Immersed in oil at 85°C for 4h
	伸長殘率% Elongates remnant rate 浸油後(85°C±2°C, 4小時) 浸油前85% 以上 This amount must be above 85% Afeter Immersed in oil at 85°C for 4h

四. 印字:

KIV0.75mm² 105°C 600V WIRE CSA AWM A/B 18AWG 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!