

鼎泰豐電線電纜股份有限公司

DING TAI FENG ELECTRIC WIRE & CABLE IND. CO., LTD.

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產品規格書

本公司電腦檔號
(Program code) :

1015

14 #

-(顏色)

品名(Model):

鍍錫銅UL電子線 Tinned copper UL SingleWire

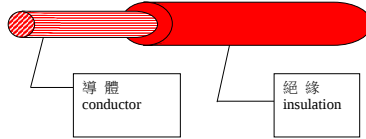
1015 14# Single wire

規格(Specifications):

UL/CSA : 105°C , 600 Vac , 750 Vdc ,

2.08mm² x 1P

構造圖(Constructional drawing):



一. 構造STRUCTURE

項目 item	材 質 Material	規 格 Spec.				最小厚度 Minimum thickness	最大厚度 Maximum thickness	標準厚度 Standard thickness	完成外徑範圍 Completes the outer diameter scope		標準完成外徑 Standard the outer diameter
導 體 Conductor	鍍錫銅絞線 Tinned copper stranded wire	0.254mm	±	0.01mm	/41條	-	-	-	1.80	~1.95mm	1.88mm
絕 緣 體 Insulation	PVC	軟質ROHS Soft & conforms to the ROHS test				0.720mm	0.900mm	0.8mm	3.24	~3.75mm	3.50mm

二. 電氣特性: Electric properties

項 目 Item.	規 格 Spec.
額定電壓溫度 Specified voltage and temperature	UL/CSA : 105°C , 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 (20°C) Insulation potengial strengh (20°C)	AC水中3000V/min. 3000V/min (for water's environment)
最小絕緣電阻(20°C) Minimum insulation resistance (20°C)	DC500V 15 MΩ·KM 以上 ↑
最大導體電阻(20°C) Max.conductor resistance (20°C)	9.90 Ω/KM以下 ↓
容許電流(40°C) Admit Max. current (40°C)	約 30.4 A以下

三. 物理特性: Physical properties

項目 Item	絕緣體 Insulation
耐 燃 試 驗 Based on standard of flammability material testing	依UL Subj.758規定合格之。According for UL Subj.758 list spec. 依CSA 規定合格之。According for CSA list spec
老化前試驗 Before of aging test	絕緣抗張強度 kg/mm ² Insulation tensile strength test kg/mm ²
	絕緣伸長率% Insulation elongation test rate %
老化後試驗 After of aging test	絕緣抗張殘率% Insulation tensile remnant rate %
	絕緣伸長殘率% Insulation elongates remnant rate %
加熱變形試驗 Heating distortion 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 Thermo shock test	溫度120°C,1小時不龜裂 The insulation face must be no cracked, high temperature at 120°C for 1hour.
冷彎試驗 Cold bending test	溫度-40°C, 3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 3hour and bent, to withstand 1000V for 1min.
耐油試驗 Oil resistance	浸於80°C油中4小時, 彎曲後需耐1000V1分鐘 Immersed in oil at 80°C for 4h and bent, to withstand 1000V for 1min.

四. 印字 : Print list :	芯線 Insulation part	E309530 AWM 1015 14AWG 105°C 600V VW-1 TYC CSA 301301 I A/B 14 AWG 105°C 600V FT1 FT2 ROHS	字組數 : The amount of printing	2組字體	字高 : The height of printing	0.9mm
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