

勝特力電材超市-龍山店 886-3-5773766  
 勝特力電材超市-光復店 886-3-5729570  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
<http://www.100y.com.tw>

### Specification 規格書

Product Name 品名 : KIV WIRE 105°C 600V

Specification 規格 : KIV 0.75mm<sup>2</sup>

No.項次	Item Description (項目)	Value(規格值)	公差
<b>Conductor Structure 導體結構</b>			
1.	Conductor Material (導體材質)	Anneal Bare Copper (裸銅線)	-----
2.	Conductor Structure(導體結構)	0.18mm / 30	± 0.008mm
3.	mm <sup>2</sup> x No. ( 截面積x芯數 )	0.75mm <sup>2</sup>	-----
<b>Insulation Structure 絕緣層結構</b>			
4.	Insulation Material (絕緣材質)	-----	-----
5.	Insulation Thickness (絕緣厚度)	-----	-----
6.	Inner Wire Diameter (芯線完成外徑)	-----	±0.15mm
7.	Color Code (芯線顏色)	-----	-----
<b>Outside Jacket 外被披覆</b>			
8.	Sheath Material (外被材質)	PVC	-----
9.	Sheath Thickness (外被厚度)	-----	-----
10.	Overall Diameter (總完成外徑)	2.50 mm	± 0.25mm
11.	Sheath Color (外被顏色)	Black (黑)	-----
<b>Electronis Characters 電氣特性</b>			
12.	Conductor Resistance (導體電阻試驗)	25.8 Ω/KM ↓ (20°C)	Max Value
13.	Insulation Resistance (絕緣電阻試驗)	50MΩ/KM ↑ (20°C)	Min Value
14.	Rated Temperature (額定耐溫)	105°C	°C
15.	Rated Voltage (額定電壓)	600V	V
MARK	KIV 0.75mm <sup>2</sup> 105°C 600V STANDARD MARK		

Structural Configuration (結構圖):



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*Technical information 技術資料*

**MAP<sup>®</sup> KIV PVC WIRE**

**Application**

MAP<sup>®</sup> KIV pvc wire is protable and flexible, PVC-sheathed used for a wide varietyof industrial applications. Suitable for outdoor use when protected against direct sunlight, and indoors in dry or moist conditions.

**Design**

Rating 105 deg C , 600 Vac , cable flame FT1  
 Design Compliant to CSA Standard  
 Conductor Fine wire strands of Bare copper wires reference with VDE Class 5  
 Insulation PVC based compound  
 Core identification code As Following Table 1 Color code  
 Screen Non Shielded  
 Outer sheath PVC based compound. Anti-Oil 、 Sun-resistance for optional.

**Electrical properties at 20°C**

Conductor resistance

Cross section [mm <sup>2</sup> ]	max [Ω/km]	Cross section [mm <sup>2</sup> ]	max [Ω/km]
0.75mm <sup>2</sup>	24.40	50.0mm <sup>2</sup>	0.370
1.25mm <sup>2</sup>	14.70	60.0mm <sup>2</sup>	0.308
2.0mm <sup>2</sup>	9.50	80.0mm <sup>2</sup>	0.238
3.5mm <sup>2</sup>	5.49	100.0mm <sup>2</sup>	0.190
5.5mm <sup>2</sup>	3.35	125.0mm <sup>2</sup>	0.148
8.0mm <sup>2</sup>	2.39	150.0mm <sup>2</sup>	0.123
14.0mm <sup>2</sup>	1.35	200.0mm <sup>2</sup>	0.093
22.0mm <sup>2</sup>	0.855	250.0mm <sup>2</sup>	0.075
30.0mm <sup>2</sup>	0.635	325.0mm <sup>2</sup>	0.057
38.0mm <sup>2</sup>	0.498		

Specific insulation resistance > 50MΩ / km  
 Test voltage 2KVac / minute

**Mechanical and thermal properties**

Minimum bending radius Fixed installation: 15 x cable Ø  
 Temperature range Fixed installation: -10 °C up to +105 °C  
 Flammability Flame retardant acc. to CSA FT1  
 General requirements This cable is conform to RoHS  
 (Restriction of the use of certain hazardous substances)

**Table 1. Color code**

Core Identification	1C	2C	3C	4C	5C	6C	7C	8C	9C	10C
Insulation. color	Black	White	Red	Green	Yellow	Blue	Gray	Orange	Brown	Violet