

# TILW-B 三層絕緣線 (B級)

Triple Insulated Layers Wire

耐溫等級：130°C

Thermal Rating: 130°C



## 特性：

- 三層絕緣線TILW-B的絕緣乃是由三層押出絕緣層 (reinforced type)所構成，可直接使用於變壓器而不需中間絕緣帶。
- 由於不必使用中間絕緣帶，使用TILW-B之變壓器將可縮小其體積，並可節省整體材料成本。
- TILW-B具可直焊性，可直接焊錫而不需先將外層絕緣剝除。
- 工作電壓：1,000V<sub>rms</sub>。
- 承製範圍：0.20mm至1.0mm。
- 溫度等級：B級 (130°C)。
- 絕緣強度：任意兩層絕緣可通過3000V一分鐘的耐電壓試驗。
- TILW-B的絕緣破壞電壓值可達19KV以上。
- TILW-B可符合UL-2353規範要求。

## 應用：

- 印表機。
- 變頻器。
- 數位相機充電器。
- 行動電話、個人電腦、DVD的電源轉換器...等等。

## 安規：

- UL：UL2353 E225803 OBJT2

## Feature:

- The insulations of TILW-B are consisted of three extruded layers (reinforced type), which can completely isolate the primary from secondary of the transformer without interlayer tape.
- TILW-B will simplify the structure and reduce the size and material cost of the transformer.
- TILW-B can be soldered without stripping the insulation film.
- Rating voltage: 1,000V<sub>rms</sub>.
- Available wire size from 0.2mm to 1.0mm.

## Performance:

- Thermal index class: B class (130°C).
- Any two layers of insulation can resist to a withstand voltage as large as 3000V AC for 1 minute.
- The dielectric breakdown voltage of TILW-B is higher than 19KV (Twisted pair).

## Applications:

- SMPS for Printer, Monitor, Inverter, Battery charger of digital camera, Portable phone, AC adapter for Personal computer, DVD...etc.

## Recognition:

- UL：UL2353 E225803 OBJT2

Items	Specification	TILW-B	
Dimension	Insulation Thickness(mm)	0.100	
Breakdown Voltage(KVrms)	Twisted Pair	>19KV	
Withstand Voltage	3000Vrms for 1 min	Pass	
Working Voltage	1000Vrms		
Solderability(sec.)*	440°C	<5s	
UL 2353	Electric Strength	6000 Vrms for 1 min Twisted Pair	Pass
	Adherence and Flexibility	3000 Vrms for 1 min	Pass
	Heat Shock	3000 Vrms for 1 min	Pass/225°C for 30min.