TILW-B
三層絕緣線(B級)
Triple Insulated Layers Wire
耐溫等級：130℃
Thermal Rating:130℃

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_{rms}。
- 承製範圍：0.20mm至1.0mm。
- 溫度等級：B級 (130℃)。
- 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_{rms}.
- Available wire size from 0.2mm to 1.0mm.

Performance:
- Thermal index class: B class (130℃).
- 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℃	<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℃ for 30min.

TILW-F
三層絕緣線(F級)
Triple Insulated Layers Wire
耐溫等級：155℃
Thermal Rating:155℃

特性：
- 三層絕緣線TILW-F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-F之變壓器將可縮小其體積，並可節省整體材料成本。
- TILW-F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_{rms}。
- 承製範圍：0.20mm至1.0mm。
- 溫度等級：F級 (155℃)。
- 絕緣強度：任意兩層絕緣可通過3000V一分鐘的耐電壓試驗。
- TILW-F的絕緣破壞電壓值可達19KV以上。
- TILW-F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-F are consisted of three extruded layers(reinforced type), which can completely isolates the primary from secondary of the transformer without interlayer tape.
- TILW-F will simplify the structure and reduce the size and material cost of the transformer.
- TILW-F can be soldered without stripping the insulation film.
- Rating voltage:1,000V_{rms}.
- Available wire size from 0.2mm to 1.0mm.
- Thermal index:F class(155℃).
- 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-F is higher than 19KV(twisted pair).

Application:
- 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-F
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℃	<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/240℃ for 30min.