

FEAI

醯胺亞胺外被聚酯漆包銅線

Amide-Imide Overcoated Polyester Enamelled Copper Wire

耐溫等級：165°C

Thermal Rating:165°C



絕緣說明：

- FEAI為雙層絕緣，其底層為Polyester外被自滑性Polyamideimide，此種組合將PEW耐磨特性提昇以獲得最佳特性，因外被為自滑性AI兼具Nylon被覆之極佳繞線性外，更有優於PEW+NY線種之耐溫及機械特性。

特性：

- (a)線材表面光滑，入線阻力極低，容易操作，線圈容積小而結實。
- (b)耐溫165°C耐磨性絕佳，繞線不易破皮，特性遠優於一般155°C之PEW。
- (c)具有極佳之繞線性，適合於高速捲繞或自動繞線。
- (d)較PEW+NY具有較佳之耐熱性及耐化學藥品性。

應用範圍：

- 馬達及線圈、繼電器、乾式變壓器、手工具電樞、密封式線圈。

使用注意事項：

- (1)皮膜抗化學藥品性強，以化學藥劑剝除皮膜極為耗時。
- (2)建議以機械方式去除皮膜。

Insulation Description

- FEAI is a dual film insulation composed of modified polyester resins with "self-lubricated" Polyamideimide overcoat. It is designed for improving abrasion resistance. FEAI's low coefficient of friction aids wire insertion, tough abrasion-resistant surface which withstands automated winding operations.

Features and Benefits

- (a) Superior low friction surface provides significant increase in slot fill.
- (b) Superior abrasion-resistance which withstands automated winding operation.
- (c) Improved cut-through, chemical resistance and overloaded protection in comparison of PEW+NY.

Typical Applications

- Motors and coils, Relays, Dry-type transformers, Tool armature, Hermetically sealed relays.

Applicable Recautions

- FEAI is a nonsolderable film, therefore, the insulation must be mechanically stripped from the conductor in preparation for soldering. It is not recommended to use chemical stripping, since it takes longer time.

適用規範：（供應線徑範圍）

皮膜構造		供應線徑		適用範圍			
		公制(mm)	AWG	NEMA	IEC	JIS	CNS
2	Single	1.6~0.4	14~26	—	—	—	—
1	Heavy	1.6~0.4	14~26	—	—	—	—

Applicable Specifications:

Available Builds	Available Size		Applicable Specifications			
	Metric(mm)	AWG	NEMA	IEC	JIS	CNS
2 Single	1.6~0.4	14~26	—	—	—	—
1 Heavy	1.6~0.4	14~26	—	—	—	—