

IFDW

變頻馬達用抗突波漆包銅線

Enamelled Copper Wire for Inver-Fed Driven Motors

耐溫等級：200℃
Temperature Index:200℃



●本產品經UL認可合格登錄，TYDIFD-N200。

特性：

- IFDW線種在高溫與惡劣的電氣環境下較一般的漆包線擁有較長的使用壽命。
- IFDW在與一般漆包線的構造下具有更優異的抗突波特性、高頻下的穩定特性。
- IFDW具有一般漆包線的優異加工特性。
- 承製線徑由0.04mm至3.6mm。

特性：

- IFDW 可符合 NEMA 1000, MW 35-C 之規範需求。
- IFDW 之使用壽命優於一般 EAIW 10倍以上。

應用：

- 高溫下使用之變頻馬達…等。
- 使用 IGBT 控制之工業馬達。
- 高壓馬達。
- 高頻馬達。

適用規範：

皮膜構造	供應線徑		適用範圍			
	公制(mm)	AWG	NEMA	IEC	JIS	CNS
2 Single	3.2~0.10	8~38	MW-35C	—	—	—
1 Heavy	3.2~0.10	8~38	MW-35C	—	—	—
0 Triple	3.2~0.10	8~38	MW-35C	—	—	—

● UL Recognized Class 200℃ Product TYDIFD-N200.

Feature:

- IFDW has superior insulation life in comparison to other enameled wire insulation system when exposed to high temperature and harsh electrical environments.
- IFDW improves insulation protection against transient spikes, high frequencies, elevated temperatures without increasing insulation thickness.
- IFDW has the same ability as conventional enameled wire to wind the wires into motors without damage.
- Wide wire size from 0.04mm to 3.6mm.

Performance:

- IFDW meets or exceeds all of the requirements of NEMA 1000, MW 35-C specification.
- The lifetime of IFDW is more than ten times to the wire specified in NEMA 1000, MW-35C in the high temperature pulse test.

Applications:

- Inverter-driven motors where high temperature operating conditions are expected.
- Industrial motors used with IGBT.
- High voltage motors.
- High frequency motors.

Comparison of Life test (Heavy-IFDW 1.290mm)

