

# 【 1 】 General Magnet Wires

## UEY

Polyurethane overcoated with Nylon Enameled Copper Wire

Covered with two layers of film-nylon resin over polyurethane insulation, this wire is highly resistant to deterioration caused by working.

- Features
  - The nylon overcoat makes the wire smooth enough to be suitable for automatic coil winding.
  - Highly resistant to heat shock and solvents.
- Applications : Small motors, small transformers.

- Applicable standard : Standard based on JIS C 3202  
NEMA MW28C  
IEC 60317-19

- Thermal class and range of manufacture

Code	Thermal Class		Range of Manufacture (mm)			
	JIS	UL	Class 0	Class 1	Class 2	Class 3
UEY	E (120)	MW28C (130)	0.08   1.60	0.06   1.60	0.04   1.60	0.04   1.60

## FUEW

Heat-resistant Polyurethane Enameled Copper Wire

Excellent heat-resistance compared to ordinary polyurethane enameled copper wire. Suitable for high-tension coils.

- Features
  - Higher softening temperature than other polyurethane enameled copper wires.
  - Soldering temperature is 390°C.
  - Suitable for high frequency fly back transformer, as an the second high voltage coils.
  - Non-cracking.
- Applications : Small transformers.

- Applicable standard : Standard based on JIS C 3202  
NEMA MW75C  
IEC 60317-4

- Thermal class and range of manufacture

Code	Thermal Class		Range of Manufacture (mm)			
	JIS	UL	Class 0	Class 1	Class 2	Class 3
FUEW	E (120)	(130)	0.05   0.20	0.04   0.20	0.04   0.20	—

## SFBW

Class F Solderable Polyester Enameled Copper Wire

Class F enameled copper wire that is solderable

- Features
  - Ranks between polyurethane and polyester in heat resistance.
  - Solderable at 400°C in 2 seconds of terminal preparation work eliminated.
  - Suitable for high frequency fly back transformer, as an the first low voltage coils.
  - Colorable.
- Applications : Type B small motors, small transformers for electronic equipment, relay coils.

- Applicable standard : Standard based on JCS 394  
NEMA MW26C  
IEC 60317-41

- Thermal class and range of manufacture

Code	Thermal Class		Range of Manufacture (mm)			
	JCS	UL	Class 0	Class 1	Class 2	Class 3
SFBW	B (130)	MW26C (155)	0.05   1.60	0.05   1.60	0.04   1.60	0.04   1.60

## SFBY

Class F Solderable Polyester overcoated with Nylon Enameled Copper Wire

Covered with two layers of film-nylon resin over Class F solderable polyester insulation, this wire is highly resistant to deterioration caused by working.

- Features
  - The nylon overcoat makes the wire smooth enough to be suitable for automatic coil winding.
  - Highly resistant to heat shock and solvents.
- Applications : Type B small motors, small transformers.

- Applicable standard : Standard based on JCS 394  
NEMA MW27C

- Thermal class and range of manufacture

Code	Thermal Class		Range of Manufacture (mm)			
	JCS	UL	Class 0	Class 1	Class 2	Class 3
SFBW	B (130)	MW27C (155)	0.08   1.60	0.06   1.60	0.04   1.60	0.04   1.60

# [ 1 ] General Magnet Wires

## SFFW

### Class F Solderable Polyurethane Enameled Copper Wire

Class F enameled copper wire that is solderable

● Features

- Thermal class rated at Class F, 155°C. • Solderable at 400°C in 2 seconds of terminal preparation work eliminated.

- Applications : Small motors, small transformers.

- Applicable standard : Standard based on JCS 394  
NEMA MW79C  
IEC 60317-20

● Thermal class and range of manufacture

Code	Thermal Class		Range of Manufacture (mm)			
	JCS	UL	Class 0	Class 1	Class 2	Class 3
SFFW	F (155)	MW79C (155)	0.08	0.06	0.04	0.04
			1.60	1.60	1.60	1.60

## SFFY

### Class F Solderable Polyurethane overcoated with Nylon Enameled Copper Wire

Covered with two layers of film-nylon resin over Class F solderable polyurethane insulation, this wire is highly resistant to deterioration caused by working.

● Features

- The nylon overcoat makes the wire smooth enough to be suitable for automatic coil winding. • Highly resistant to heat shock and solvents.

- Applications : Small motors, small transformers.

- Applicable standard : Standard based on JCS 394  
NEMA MW80C  
IEC 60317-21

● Thermal class and range of manufacture

Code	Thermal Class		Range of Manufacture (mm)			
	JCS	UL	Class 0	Class 1	Class 2	Class 3
SFFY	F (155)	MW80C (155)	0.10	0.07	0.05	0.04
			1.60	1.60	1.60	1.60

## SFHW

### Class H Solderable Polyurethane Enameled Copper Wire

Class H enameled copper wire that is solderable

● Features

- Thermal class rated at Class H, 180°C. • Solderable at 420°C in 2 seconds of terminal preparation work eliminated.

- Applications : Small motors, small transformers.

- Applicable standard : Standard based on JCS 394  
NEMA MW82C

● Thermal class and range of manufacture

Code	Thermal Class		Range of Manufacture (mm)			
	JCS	UL	Class 0	Class 1	Class 2	Class 3
SFHW	F (155)	MW82C Recognizing	0.08	0.06	0.04	0.04
			0.50	0.50	0.50	0.50

## SFHY

### Class H Solderable Polyurethane overcoated with Nylon Enameled Copper Wire

Covered with two layers of film-nylon resin over Class H solderable polyurethane insulation, this wire is highly resistant to deterioration caused by working.

● Features

- The nylon overcoat makes the wire smooth enough to be suitable for automatic coil winding. • Highly resistant to heat shock and solvents.

- Applications : Small motors, small transformers.

- Applicable standard : Standard based on JCS 394  
NEMA MW83C

● Thermal class and range of manufacture

Code	Thermal Class		Range of Manufacture (mm)			
	JCS	UL	Class 0	Class 1	Class 2	Class 3
SFHY	F (155)	MW83C Recognizing	0.10	0.07	0.05	0.04
			0.50	0.50	0.50	0.50