

带状线 (-NAR, -CCAR, -ALR)

Ribbon Wires

带状线是导体形状为带状的漆包线。我公司制造的各种带状线，实现了线圈的小型化和高性能化。

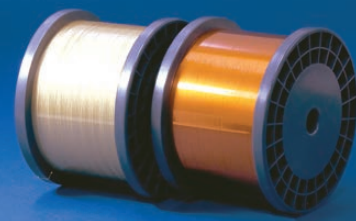
Ribbon Wire is a magnet wire with a flat conductor. FMGW makes ribbon wires of various kinds for miniaturization and high performance.

特长 FEATURES

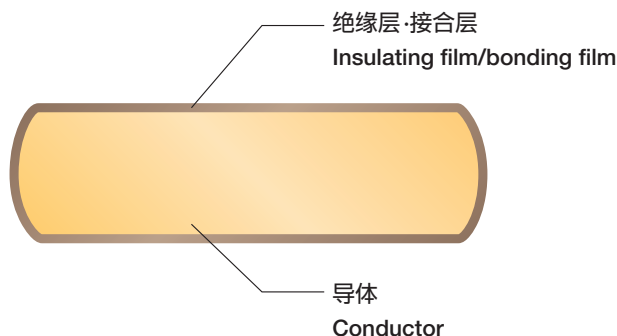
- ① 占积率比圆电线高**
Better than round wires in terms of space factor
- ② 铜包铝带状线、铝带状线大幅度减轻线圈分量**
Aluminum and copper clad aluminum ribbon wires further reduce coil weight
- ③ 包含边角部，具有均匀的绝缘特性**
Uniform quality of insulation over the surface including the corners
- ④ 细孔的发生率和圆线一样低**
Presence of pinholes as low as round wires
- ⑤ 绕线作业性优良，有利于提高线圈表面平整性**
Easy, efficient winding contributes to the flatness of coil surface

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结构 CONSTRUCTION



型号说明 Product name

SF.EI LOCKY5 - NAR

(A) (B) (C)

- (A) 绝缘层的种类 (B) 接合层的种类
 (C) NA带状线
 (A) Type of insulating film (B) Type of bonding film
 (C) NA ribbon wire

用途 Applications

可动线圈、印刷线圈、小型电机、
 高级扬声器、变压器
 Moving coils, Printercoils, Small motors,
 Highclass speakers, Transformers

制造范围 Range of manufacture

①铜 Copper

标识号 Code	绝缘层 Insulating Film	接合层 Bonding Film	厚度和宽度之比 Thickness/Width Ratio	等效圆线直径 (mm) Equivalent Round Conductor
-NAR	SF.B PE SF.EI EI	MZW LOCK LOCK Y1, Y3, Y5	1:3 ~ 1:15	0.09 ~ 0.60 最小导体厚度 Min. conductor thickness 0.03

②铜包铝 Copper-clad aluminum

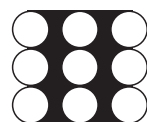
标识号 Code	绝缘层 Insulating Film	接合层 Bonding Film	厚度和宽度之比 Thickness/Width Ratio	等效圆线直径 (mm) Equivalent Round Conductor
-CCAR	UE PE SF.EI EI	MZW LOCK LOCK Y1, Y3, Y5	1:3 ~ 1:4	0.15 ~ 0.40 最小导体厚度 Min. conductor thickness 0.06

③铝 Aluminum

标识号 Code	绝缘层 Insulating Film	接合层 Bonding Film	厚度和宽度之比 Thickness/Width Ratio	等效圆线直径 (mm) Equivalent Round Conductor
-ALR	UE PE SF.EI EI	MZW LOCK LOCK Y1, Y3, Y5	1:3 ~ 1:10	0.20 ~ 0.40 最小导体厚度 Min. conductor thickness 0.07

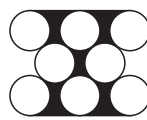
占积率的比较 Comparison of space factor

(圆电线)
Round wire



约78% 整齐绕线
Approx. 78% Array winding

(圆线)
Round wire



约91% 整齐绕线
Approx. 91% Array winding

(带状线)
Ribbon wire



约96% 对边绕线
Approx. 96% Edgewise winding

●技术相关询问处

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