

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。

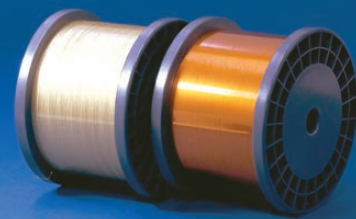
Ribbon Wire is a magnet wire with a flat conductor. FMGW makes ribbon wires of various kinds for miniaturization and high performance.

特长 FEATURES

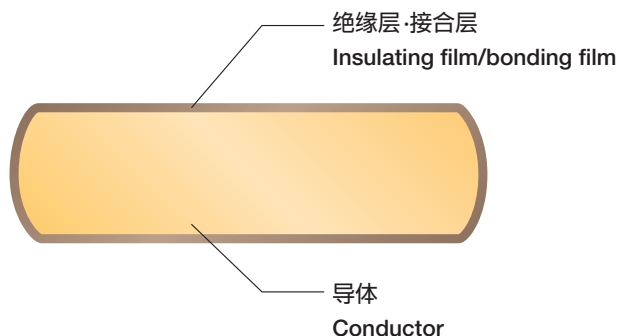
- ① 占积率比圆电线高**
Better than round wires in terms of space factor
- ② 铜包铝带状线、铝带状线大幅度减轻线圈分量**
Aluminum and copper clad aluminum ribbon wires further reduce coil weight
- ③ 包含边角部，具有均匀的绝缘特性**
Uniform quality of insulation over the surface including the corners
- ④ 细孔的发生率和圆线一样低**
Presence of pinholes as low 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

带状线 (-NAR, -CCAR, -ALR)

Ribbon Wires



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

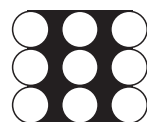
标识号 Code	绝缘层 Insulating Film	接合层 Bonding Film	厚度和宽度之比 Thickness/Width Ratio	等效圆线直径 (mm) Equivalent Round Conductor
-CCAR	UE PE SF.EI EI	MZW LOCK LOCK Y1, Y3, Y5	1:3 ~ 1:4	0.15 ~ 0.40 最小导体厚度 Min. conductor thickness 0.06

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

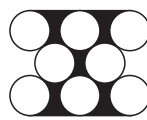
占积率的比较 Comparison of space factor

(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

●技术相关问询处

古河电磁线株式会社

白根技术部 日本国新潟县新潟市南区上八枚840-1 邮政编码950-1431
 电话: +81-25-373-1101 传真: +81-25-373-1106
 三重技术部 日本国三重县龟山市能褒野町20-16 邮政编码519-0292
 电话: +81-595-85-2072 传真: +81-595-85-1310
 开发部 日本国神奈川県平冢市东八幡5-1-9 邮政编码254-0016
 电话: +81-463-21-8233 传真: +81-463-21-8244

古河电气工业株式会社

总公司 日本国东京都千代田区大手町2丁目6番4号 邮政编码100-8322
 电话: +81-3-6281-8698 传真: +81-3-6281-8630

●For Technological inquires please contact

FURUKAWA MAGNET WIRE CO., LTD.

Shirone Technical Group, Technical Department
 840-1, Kamihachimai, Minami-ku, Niigata-shi, Niigata Pref., 950-1431, Japan
 TEL. +81-25-373-1101 FAX. +81-25-373-1106
 Mie Technical Group, Technical Department
 20-16, Nobono-cho, Kameyama-shi, Mie Pref., 519-0292, Japan
 TEL. +81-595-85-2072 FAX. +81-595-85-1310
 Development Group, Technical Department
 5-1-9, Higashi-yawata, Hiratsuka-shi, Kanagawa Pref., 254-0016, Japan
 TEL. +81-463-21-8233 FAX. +81-463-21-8244

FURUKAWA ELECTRIC CO., LTD.

Head Office 6-4 Otemachi 2-chome, Chiyoda-ku, Tokyo 100-8322, Japan
 TEL. +81-3-6281-8698 FAX. +81-3-6281-8630

* Please understand that contents of this catalog may change without notice.

* Company and product names appearing in this publication are registered trademarks or trademarks of respective companies.

· 此产品目录的内容有可能不经事先通知而发生变更, 敬请知悉。
 · 此产品目录中所记载的公司名称及商品名称为各公司的注册商标或商标。

Export Control Regulations

The products and/or technical information presented in this publication may be subject to the application of the Foreign Exchange and Foreign Trade Act and other related laws and regulations in Japan. In addition, the Export Administration Regulations (EAR) of the United States may be applicable. In cases where exporting or reexporting the products and/or technical information presented in this publication, customers are requested to follow the necessary procedures at their own responsibility and cost. Please contact the Ministry of Economy, Trade and Industry of Japan or the Department of Commerce of the United States for details about procedures.

关于出口管理限制

本书记载的产品、技术信息为日本《外汇和外贸法及相关法令》及美国出口管制条例 (EAR: Export Administration Regulations) 管制对象。本书记载的产品、技术信息的出口及再出口, 由客户负责办理必要手续并承担费用。具体手续请咨询日本的经济产业省或美国商务部。