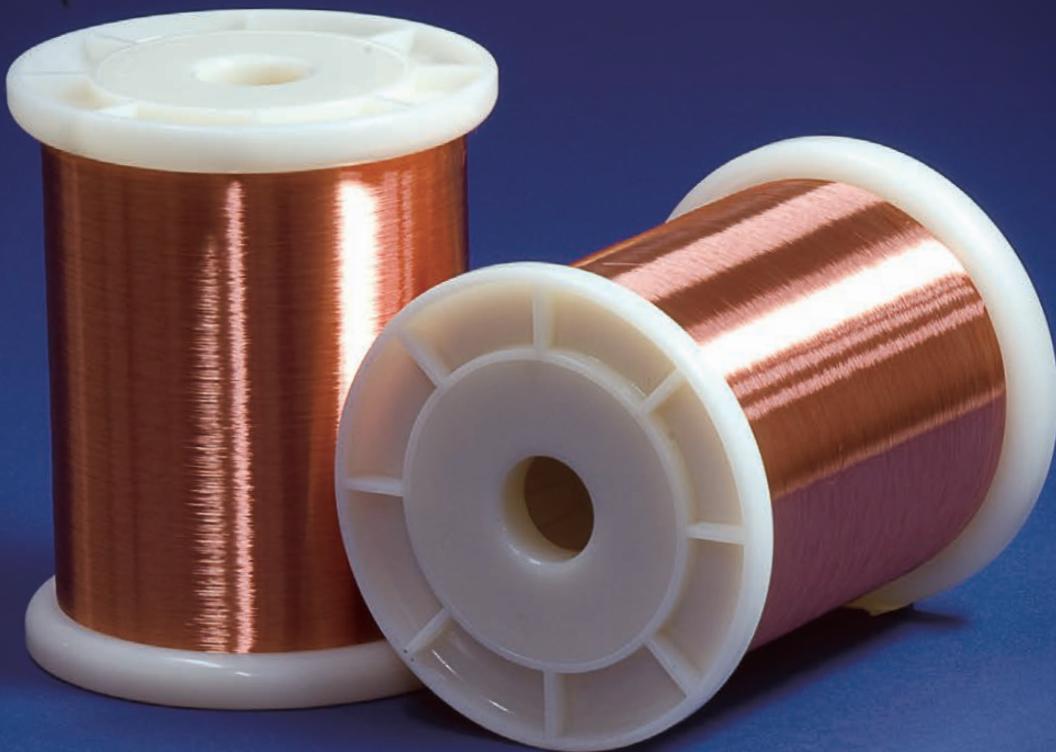


高抗张力漆包线 (HTW, SPHTW)

High-Tension Magnet Wires



高抗张力磁性线（高张力线：HTW、SPHTW）是使用铜为主体的合金导体的极细漆包线。在不影响铜的特性的同时，具有高强度。

With a conductor made of a copper-based alloy, the High-Tension Magnet Wire (HTW, SPHTW) has a high tensile strength, while retaining the properties of copper.

特长 FEATURES

①抗拉强度比铜线大25% (提高了绕线速度，加强了线圈端子部的防断线能力)

Tensile strength-approx. 25% higher than copper wire
 (Higher speed coil winding and prevention of wire snapping at coil terminal are attained)

②导电率93%以上 (SPHTW为88%以上)

Conductivity : 93% or more (HTW)
 Conductivity : 88% or more (SPHTW)

③绝缘层、接合层的特性和铜线完全相同

Identical to copper magnet wires in terms of properties of insulating and bonding films

④焊接性能和铜线同等

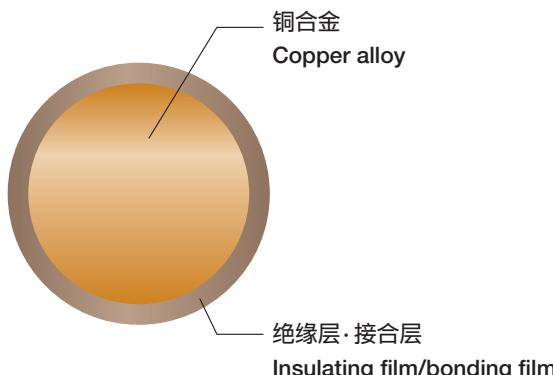
Same as copper magnet wires in solderability

高抗张力漆包线 (HTW, SPHTW)

High-Tension Magnet Wires



结构 CONSTRUCTION



型号说明 Product name

2 - PE LOCKHTW
Ⓐ Ⓑ Ⓒ

- Ⓐ 被覆层厚度的JIS规格(1类、2类、3类)
Ⓑ 绝缘层的种类
Ⓒ 接合层的种类
Ⓐ JIS standard of film thickness (class 1, 2, 3)
Ⓑ Type of insulating film
Ⓒ Type of bonding film

用途 Applications

头线圈、可动线圈、钟表线圈
Head coils, Moving coils, Watch coils

制造范围 Range of manufacture

标识号 Code	绝缘层 Insulating Film	接合层 Bonding Film	制造范围 (mm) Range of Manufacture
HTW	LSUE UE	MZW LOCK LOCK Y1, Y3, Y5	0.025 ~ 0.09
SPHTW	LSUE UE	MZW LOCK LOCK Y1, Y3, Y5	0.025 ~ 0.09

●高抗张力漆包线

HTW (High-Tension Magnet Wire)

SPHTW (Super High-Tension Magnet Wire)

特性 Characteristics

特性项目 Items	铜线 Cooper Wire	HTW	SPHTW
耐力 (N/mm ²) Proof Strength	149 ~ 182	180 ~ 220	234 ~ 297
比重 Specific Gravity	8.89	8.90	8.90
导电率 (% IACS) Electrical Conductivity	100	93.2	88.4
比电阻 (Ω·m) Specific Resistance	1.724×10^{-8}	1.850×10^{-8}	1.950×10^{-8}
抗拉强度 (N/mm ²) Tensile Strength	243 ~ 297	306 ~ 374	342 ~ 418
伸长率 (%) Elongation	10 or over	20 or over	20 or over

关于超极细漆包线(尺寸未满0.03mm),
也有伸长率数值比表中数值低的品种。

There is the kind that growth deteriorates than the value of the top
about the ultra fine wire. (size less than 0.03mm)

●技术相关问询处

古河电磁线株式会社

白根技术部 日本国新泻县新泻市南区上八枚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 日本国神奈川县平冢市东八幡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 inquiries 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.

* 该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。
* 该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。