

ICS 29.060.10

CCS K11



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 12970.1-2009

Replacing GB/T 12970.1-1991

**Flexible copper stranded conductors for electrical purposes -
Part 1: General requirements**

电工软铜绞线 第1部分：一般规定

Issued on: March 19, 2009

Implemented on: December 1, 2009

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

Table of Contents

- 1 Scope
- 2 Normative references
- 3.1.1 Material and points Copper T Tin (plating) X
- 3.1.2 Structure by product division Twisted J Soft structure R
- 3.1.3 By Use T antenna Brush line S
- 3.2 Product Representation

Foreword

GB/T 12970 "Electrical soft copper stranded" is divided into four parts.

- Part 1. General requirements;
- Part 2. soft copper wire;
- Part 3. Flexible copper antenna;
- Part 4. Copper wire brush. This section GB/T 12970 Part 1. This Part replaces GB/T 12970.1-1991 "soft copper stranded electrician - Part 1. General requirements." This section compared with the GB/T 12970.1-1991 The main changes are as follows:
 - Modify the pilot project for sampling inspection Rules (before version 5.3, this version 5.3);
 - Remove the appearance of the product for the prescribed test methods (before version 5.4);
 - Remove the product is suitable for the export standard requirements (before version 6.1.4). This part is proposed by the China Electrical Equipment Industrial Association. This part of the National Standardization Technical Committee Wire and Cable (SAC/TC213) centralized. This part of the unit responsible for drafting. Shanghai Electric Cable Research Institute. Participated in the drafting of this section. Shenzhen, China Cable Co., Ltd., Shanghai copper metal braid copper plant Jiang Su Jiangrun Copper Co. the company. The main drafters of this section. Liu Bin, party Peng, Zhang Peng, Chenya Fu, Liu Liming. This part of the standard replaces the previous editions are.
- GB/T 12970.1-1991. Electrical soft copper wire Part 1. General requirements

1 Scope

GB/T 12970.1-2009 is the Chinese national standard on flexible copper stranded

conductors for electrical purposes - part 1: general requirements, in the field of electrical engineering. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 19 March 2009 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 December 2009. Classification: ICS 29.060.10, CCS K11. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

GB/T 12970 provisions of this part of the soft copper wire for electrical product classification, general technical requirements, inspection rules and packaging. This section applies to soft copper antenna electrical devices and soft copper wire, copper brush wire and electrical communication with the motor used to.

2 Normative references

The following documents contain provisions which, through reference

GB/T 12970 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 321-2005 priority number and priority number system (ISO 3. 1973, IDT)

GB/T 3953-2009 electrician round copper wire

GB/T 4909.1-2009 Test methods for bare wires - Part 1. General

GB/T 4910-2009 tinned round copper wire

JB/T 8137-1999 wire and cable delivery plate 3 symbols, codes and product representation

3.1 symbols and codes

3.1.2 Structure by product division Twisted J Soft structure R

Note. R after the numbers 1,2,3 the greater the degree of soft, softer numbers.

3.2 Product Representation

3.2.1 Model expressed by the following form. material code structure or purpose Specifications. Nominal value of cross-sectional area (mm)