

2010年第6期
(双月刊 双月25日出版)
1958年创刊

SECRI

主管单位:上海市国有资产监督管理委员会
主办单位:上海电缆研究所
编辑出版:《电线电缆》编辑部
发行范围:国内外公开发行人
发 行:上海报刊发行局
订 阅:全国各地邮局
邮发代号:4-276
主 编:吴士敏
副 主 编:王春江
本期责编:顾 炯
广告业务:黄月群,冯 琳
通讯地址:上海军工路1000号
邮政编码:200093
电 话:(021)65494605-2058(编辑)
(021)65494605-2065(广告)
传 真:(021)65486602
电子信箱:wire-cable@163.com
印 刷:江苏太仓市岳王印刷厂
定 价:5.00元
国际标准连续出版物号:ISSN 1672-6901
国内统一连续出版物号:CN 31-1392/TM
广告经营许可证:
3101104000011
期刊基本参数:CN31-1392/TM
* 1958 * b * A4 * 48 * zh
* P * ¥5.00 * 5000 * 15
* 2010-12

目 次

· 综 述 ·

220 kV 大长度光纤复合海底电力电缆的研制 沈佩芳 (1)

· 线缆产品 ·

辐照交联乙烯四氟乙烯绝缘电线后处理工艺条件的选择

..... 刘桂平,张贤灵,张敬平,等 (4)

一种新型采煤机电缆的设计和制造

..... 李万松 (7)

环保型多芯预制分支电缆的研制

..... 陈 卫,王小伟,耿晓鹏,等 (10)

超高压电力电缆瓦楞形分割导体的结构设计

..... 王柏松 (13)

柔性锚链牵引解决扇形线芯成缆时的蛇形弯曲

..... 王卫东,吴俊生 (15)

高速铁路动车电缆的标准化探讨

..... 孙正华 (18)

· 经验交流 ·

广东电网公司2010年电线电缆产品质量考评抽检结果浅析

..... 马仲能 (20)

钢筒体钢木结构电缆盘的设计

..... 彭永红 (22)

· 线缆材料 ·

橡胶型氯化聚乙烯应用中若干问题的讨论

..... 张 坚,许立峰 (25)

热塑性聚氨酯弹性体在电缆护套上的应用

..... 胡 玮,岳红涛 (28)

· 敷设运行 ·

海底光缆锚害的有限元分析

..... 林开泉,王红霞,刘红亮,等 (31)

单芯高压电力电缆金属护套感应电流的研究之二

——计算程序的编制和应用

..... 徐 欣,陈 彦 (34)

超声局放测量在电缆分支箱局放检测中应用

..... 孙宏伟,王加乐,叶 宽,等 (38)

剖析穿刺线夹在配电系统应用中的隐患

..... 陈文奎,赵启年,徐云海 (42)

· 动态报导 ·

2011年度《电线电缆》杂志征订和调价通知

..... (9)

· 目次汇编 ·

《电线电缆》2010年第1~6期总目次

..... (45)

Wire & Cable

No. 6, 2010

(Bimonthly)

First issue published
in 1958

SECRI

Responsible organ:

Shanghai Municipal Commission
for Supervision and Management
of State-Owned Assets

Sponsor:

Shanghai Electric Cable
Research Institute

Editor & publisher:

Wire & Cable Editorial
Office

Scope of distribution:

Domestically & Internationally

Distributed by:

Shanghai Newspapers &
Periodicals Distribution
Administration

Subscription to:

Post offices all over China,
distribution code 4-276

Chief editor: Wu Shimin

Vice Chief editor: Wang Chunjiang

Contributing editor: Gu Jiong

Advertising: Huang Yuequn, Feng Lin

Address:

1000 Jungong Road,
Shanghai 200093, P. R. C.
Tel: (021) 65494605-2058

Fax: (021) 65486602

E-mail: wire-cable@163.com

Printer: Jiangsu Taicang Yuewang
Printing House

Price: RMB 5.00 yuan

Periodical code:

ISSN 1672-6901

CN 31-1392/TM

CONTENTS

Overview

Development of a Large Length 220 kV Submarine Composite Power Cable with Optic Fibers SHEN Pei-fang (1)

Wire & Cable Products

Selection of the Processing Conditions for the After-Treatment of Irradiated Ethylene-Tetrafluoroethylene Insulated Wires LIU Jing-ping, et al (4)

Design and Manufacture of a New Type of Coal Mining Cable LI Wan-song (7)

Development of an Eco-Type Multicore Pre-Fab Branched Cable CHEN Wei, et al (10)

Constructional Design of the Segmental Conductor in EHV Power Cables WANG Bo-song (13)

Using Flexible Chain to Eliminate Snaking of Sector-Shaped Conductor during the Cabling Process WANG Wei-dong, et al (15)

Standardization of the EMU Cable for High Speed Railway SUN Zheng-hua (18)

Experiences

Analysis of the Results of the 2010 Quality Sampling Inspection of the Wire and Cable Products by Guangdong Power Grid MA Zhong-neng (20)

Design of Steel-Wood Reels with Steel Barrel PENG Yong-hong (22)

Raw Materials

Discussion on Some Problems in the Application of Rubber Type Chloride Polyethylene ZHANG Jian, et al (25)

Application of Thermoplastic Urethane Elastomer in Cable Sheathing HU Wei, et al (28)

Installation & Operation

Finite Element Analysis of the Anchor-Caused Fault on the Submarine Optical Fiber Cables LIN Kai-quan, et al (31)

Investigation of the Induced Current in the Metallic Sheath of Single Core HV Power Cables, Part 2 XU Xin, et al (34)

Application of Ultrasonic PD Measurement in the PD Testing of Cable Splice Box SUN Hong-wei, et al (38)

Analysis of the Hidden Troubles of Piercing Clips in the Application of Distribution System CHEN Wen-kui, et al (42)