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中华人民共和国国家标准

National Standard of the People's Republic of China

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**电气装置安装工程**

**电缆线路施工及验收规范**

**Code for construction and acceptance of cable system  
electric equipment installation engineering**

Issued date: 07-20-2006

Execution date: 11-01-2006

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**Issued Jointly by** Ministry of Construction of the People's Republic of China  
General Administration of Quality Supervision, Inspection and  
Quarantine of the People's Republic of China

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Code for construction and acceptance of  
cable system electric equipment installation engineering

**GB 50168-2006**

Mainly Preparation by: Ministry of Energy Source of the People's  
Republic of China

Approved by: Ministry of Construction of the People's  
Republic of China

Execution Date: 11-01-2006

**Notice on the Issuance of the National standard**  
**《Code for construction and acceptance of cable system electric**  
**equipment installation engineering》**

Code for construction and acceptance of cable system electric equipment installation engineering has been approved as the National Standard with the serial No. GB 50168-2006, and will be implemented from November 01, 2006. Article 4.2.9, 5.2.6 and 7.0.1 is mandatory, shall be strictly implemented. Original GB 50168-92 will be abolished simultaneously.

This Standard will be published by China Planning Press and organized by the Standard Institute of Ministry of Construction.

Ministry of Construction of the People's Republic of China  
July, 20<sup>th</sup>, 2006

## Foreword

According to the requirements of the documents of JBH (2001-2002) No. 85 from the *National Planning Committee from the Construction Ministry*, this code was chiefly edited by the Electric Power Research Institute Beijing and associated with relevant authority, and revised based on *Code for construction and acceptance of cable levels electric equipment installation* GB 50168-92.

The Code consists of 8 chapters and 1 annexes and the main content of the amendment includes that the General; Terms; Transportation and storage of cable and accessories; Construction of ancillary facilities of cable; lay of cable; installation of cable accessory; Construction of fire facilities of cable; Hand-over and acceptance of engineering.

Compared with original Code, main changes of this code as follows:

1. Added the Clause of Terms;
2. More specific in connection regulations on cable conduit;
3. Tighter and more specific in fire construction of cable system;
4. Added the stipulation on construction of HDKF;
5. More detain and specific in overhead laying of cable system;
6. In Clause “Installation of cable accessories”, the installation of terminal and connector of high-voltage cable has been specified.

The boldface articles of this Code is mandatory, must be strictly performed.

Ministry of Construction is responsible for the management of this code and the explanation of the mandatory provisions. Electric Power Research Institute Beijing is responsible for the explanation of specific technical content.

During the execution of this code, when places where emendation or supplement are found necessary, the idea and the concerning data are expected to be sent to the management unit of this code i.e. the Electric Power Research Institute Beijing (Addr: No. 33, Nanbinhe Road, Xuanwu Dist. Beijing, Tel: 010-63424285) for our reference in the future emendation.

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Electric Power Research Institute Beijing

Participating Development Organization:

Gansu Thermal Power Engineering Corporation

The Second Northeast Electric Power Engineering Co.  
The First Electric Power Construction Co. of Jiangsu  
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## Chapter 1 General Principles

**Article 1.0.1** The establishment of this code is on purpose to ensure the construction quality of installation engineering of cable lines, to promote the technical improvement of the construction of cable lines and to ensure a safety work of cable lines.

**Article 1.0.2** This code specifies the technical requirements of construction and acceptance of installation work and structures facilities of electric and cable system (cable system as follows)

**Article 1.0.3** This code is applicable for construction and acceptance of the installation engineering of electric power cable lines or control cable lines that work with a voltage of 500 kv or lower.

**Article 1.0.4** The installation engineering of cable lines with special requirement such as those applicable for mines, ships, metallurgy and Chemistry shall be in accordance with the corresponding rules of the profession.

Installation of cable lines shall be conducted in accordance with approved design.

**Article 1.0.5** The adopted cable as well as its appendixes shall be in accordance with the regulations of the running technical standards of the country and qualified certificates shall be available. The equipment shall be with proper nameplate.

**Article 1.0.6** The safety technical measures adopted in construction shall be in accordance with this code as well as the running safety technical standards and product technical documents. The safety technical measures shall be set down beforehand for important construction projects or procedures.

**Article 1.0.7** Hot galvanized products shall be applied as steel fixing device for installation of cable and its appendixes with exception of anchor-bolt.

**Article 1.0.8** The anti-jamming measures shall be adopted according to design regulations for the cable lines with requirement on anti-jamming.

**Article 1.0.9** For the construction and acceptance of cable lines, the regulations in this code shall be executed and the actual national standards or codes concerned shall also be observed.

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