



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

GB/T 16895.7-2021

**Low-voltage electrical installations - Part 7-704: Requirements
for special installations or locations - Construction and
demolition site installations**

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1. Structure and Drafting Rules of Standardization Documents"

Drafting.

GB/T 16895 "Low-Voltage Electrical Installations" is divided into 5 parts, and each part is divided into multiple sub-parts.

- Part 1.Basic principles, general characteristics assessment and definitions;
- Part 4.Security Protection;
- Part 5.Selection and installation of electrical equipment;
- Part 6.Inspection;
- Part 7.Requirements for special devices or places.

This document is part 7-704 of GB/T 16895 "Low-Voltage Electrical Installations". Part 7 of GB/T 16895 has published the following

Subsection.

- Part 7-701 of low-voltage electrical installations. requirements for special installations or places where a bathtub or shower is installed;
- Part 7-702 of low-voltage electrical installations. requirements for special installations or places, swimming pools and fountains;
- Part 7-703 of electrical installations of buildings. requirements for special installations or places, rooms and small rooms equipped with sauna heaters;
- Part 7-704 of low-voltage electrical installations. requirements for special installations or places, electrical installations in construction and demolition places;
- Part 7-705 of low-voltage electrical installations. requirements for special installations or places, agricultural and gardening facilities;
- Part 7-706 of low-voltage electrical installations. special installations or places where activities are restricted and conductive places;
- Part 7-710 of electrical installations of buildings. requirements for special installations or places, medical places;
- Part 7-711 of electrical installations of buildings. requirements for special installations or places, exhibition halls, showrooms and booths;
- Part 7-712 of low-voltage electrical installations. requirements for special installations or places, solar photovoltaic (PV) power supply systems;
- Part 7-713 of electrical installations of buildings. furniture required for special installations or places;
- Part 7-714 of low-voltage electrical installations. requirements for special installations or places outdoor lighting installations;
- Part 7-715 of electrical installations of buildings. requirements for special installations or places, extra-low voltage lighting installations;

--- Part 7-717 of electrical installations of buildings. special installations or places requiring mobile or transportable units;

--- Part 7-740 of electrical installations of buildings. requirements for special installations or places, structures, entertainment in playgrounds and circuses

Facilities and sheds;

--- Part 7-753 of low-voltage electrical installations. heating cables and buried heating systems for special installations or places.

This document replaces GB/T 16895.7-2009 "Low-voltage electrical installations Part 7-704.Requirements for construction of special installations or places

And the electrical installations of the demolition site", compared with GB/T 16895.7-2009, except for structural adjustments and editorial changes, the main technical changes

as follows.

--- Changed the scope (see 704.1, 704.1 in the.2009 edition);

--- Increased the spacing requirements for overhead lines above the construction site (see 704.30.101);

--- General requirements for protection against electric shock have been added (see 704.410.3);

---Increase the risk factors of damage to electrical equipment caused by external influences (see 704.512.2);

---Inspection requirements have been added (see 704.6).

The translation method used in this document is equivalent to the use of IEC 60364-7-704.2017 ``Low-Voltage Electrical Installation Part 7-704.Special Installation or Field

Requirements for electrical installations in construction and demolition sites".

The Chinese documents that have consistent correspondence with the normatively cited international documents in this document are as follows.

---GB/T 5013.4-2008 Rubber insulated cables with rated voltages of 450/750V and below Part 4.Cords and flexible cables

(IEC 60245-4.2004, IDT)

---GB/T 7251.4-2017 Low-voltage switchgear and control equipment Part 4.Complete sets of equipment for construction sites

(ACS) special requirements (IEC 60439-4.2012, IDT)

---GB/T 11918.1-2014 Industrial plugs, sockets and couplers Part 1.General requirements (IEC 60309-1..2012,

MOD)

---GB/T 11918.2-2014 Industrial plugs, sockets and couplers Part 2.Rulers of electrical accessories with pins and sockets

Inch compatibility and interchangeability requirements (IEC 60309-2.2012, MOD)

---GB/T 16895 (all parts) low-voltage electrical installations [IEC 60364 (all parts)]

---GB/T 16895.22-2004 Building Electrical Installations Part 5-53.Selection and Installation of Electrical Equipment Isolation, Switch

And control equipment Section 534.Overvoltage protection appliances (IEC 60364-5-53.2001 Amd1.2002, IDT)

The following editorial changes have been made to this document.

---Deleted the informative Annex A of IEC 60364-7-704.2017, which is related to the application of this international document by other countries.

My country has nothing to do.

Introduction

GB/T 16895 (all parts) on the safety protection of low-voltage electrical installations, electrical equipment selection and installation, inspection, and special installations

The safety requirements of homes or places play a guiding role. The published standard of GB/T 16895 consists of 5 parts.

---Part 1.Basic principles, general characteristics assessment and definitions. The purpose is to confirm the design, installation and inspection of low-voltage electrical installations.

Establish safety rules to avoid dangers and dangers to personnel, livestock and property that may occur in low-voltage electrical installations in reasonable use.

Damage and ensure the normal operation of electrical installations.

---Part 4.Safety protection. Contains 4-41, 4-42, 4-43, 4-44 sub-parts, the purpose is to establish the electric shock of low-voltage electrical devices

Basic requirements for protection, thermal effect protection, overcurrent protection, voltage disturbance and electromagnetic disturbance protection.

---Part 5.Selection and installation of electrical equipment. Contains 5-51, 5-52, 5-53, 5-54, 5-55, 5-56 sub-parts, the purpose is to follow

According to the basic requirements of safety protection, establish the functional