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

中华人民共和国国家标准

GB 12528.11-2003

**Insulated cables (wires) for railway vehicles of rated voltages
up to and including 3 kV**

**Amendment 1: Cross-linked polyolefin insulated cables (wires)
for railway vehicles**

**交流额定电压 3 kV 及以下铁路机车车辆用电缆（电线）补
充件 1:交联聚烯烃绝缘铁路机车车辆用电缆（电线）**

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Foreword

This Amendment is the supplement of GB 12528.1—1990 *Insulated cables (wires) for railway vehicles of rated voltages up to and including 3 kV--Part 1: General rules*, which is used to supplement the provisions related to the cross-linked polyolefin insulated cables (wires) for railway vehicles not covered in GB 12528.1—1990.

This Amendment is under the jurisdiction of the National Electric Wire Electric Cable Standardization Committee.

The drafting organizations of the Amendment are: Shanghai Nan Yang Electrical Appliance Co., Ltd., Tianjin Jinshan Wire & Cable Co., Ltd.

The main drafters of this Amendment are: Zhang Guoping, Zheng Guojun.

Insulated cables (wires) for railway vehicles of rated voltages up to and including 3 kV

Amendment 1: Cross-linked polyolefin insulated cables (wires) for railway vehicles

1 Scope

This document specifies the models, specifications, technical requirements and test methods, marks and packaging of the cross-linked polyolefin insulated cables (wires) for railway vehicles of rated voltages up to and including 3 kV.

This document applies to the cables for various vehicles of rated voltages up to and including 3 kV and the electric equipment used in the power distribution system, control system and signal system of the urban railway vehicles, especially applicable to narrow spaces and places with low smoke, halogen-free and flame retardant requirements.

2 Normative references

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB/T 2951.1 Common test methods for insulating and sheathing materials of electric cables Part 1: Methods for general application Section one: Measurement of thickness and overall dimensions—Tests for determining the mechanical properties (GB/T 2951.1-1997, idt IEC 811-1-1:1993)

GB/T 2951.2 Common test methods for insulating and sheathing materials of electric cables--Part 1: Methods for general application--Section two: Thermal ageing methods (GB/T 2951.2-1997, idt IEC 811-1-2:1985)

GB/T 2951.4 Common test methods for insulating and sheathing materials of electric cables Part 1: Methods for general application (GB/T 2951.4-1997, idt IEC 81-1-4:1985)

GB/T 2951.5 Common test methods for insulating and sheathing materials of electric cables--Part 2: Methods specific to elastomeric compounds section one--Ozone

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