



भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

**BUREAU OF INDIAN STANDARDS**

(Ministry of Consumer Affairs, Food & Public Distribution, Govt. of India)

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## DRAFT INDIAN STANDARD IN WIDE CIRCULATION

Reference : T-131

Date : 28 January 2025

**TECHNICAL COMMITTEE : Power Cables, ETD 09**

To,

All concerned

Dear Madam/Sir,

The following document has been prepared by the Power Cables Sectional Committee, ETD 09. Please [click here](#) to view the document.

**Document Number : ETD 09 (26234) WC**

**Title of the document : Cables for Electric Vehicle Charging System**

**Document Type : New Indian Standard**

*This document has following salient features which may require specific attention for your valuable comments:*

- 1) This standard specifies construction, dimensions and test requirements for cables with extruded insulation and sheath having a voltage rating of up to and including 1 100V a.c or up to and including 1 500 V d.c for flexible applications under harsh conditions for the power supply between the electricity supply point of the charging station and the electric vehicle (EV).*
- 2) The EV charging cable is intended to supply power and communication to an EV or plug-in hybrid vehicle (PHEV). Section 2 of this standard covers the test method specific to EV charging cables of rated voltages up to and including 1 100V. The charging cables are modes 1 to 3 for AC Charging and mode 4 for DC charging and are covered in section 3 and section 4 respectively. Ordinary duty cables with rated voltage 300/500 V are only permitted for charging mode 1. Maximum conductor temperature for the cables in this part of standard is 90 °C.*

Please examine the document and share your comments regarding further improvement in the document.

**Last date for sharing the comments is : 29 March 2025**

The comments should be shared in the prescribed template through this portal only; and the comments so received shall be taken up by the Sectional Committee for necessary action. For any other query, please write an email at eed@bis.gov.in to the undersigned at Bureau of Indian Standard, Manak Bhawan, 9, Bahadur Shah Zafar Marg, New Delhi.

In case no comments are received, we would presume your approval of the documents. However, in case we receive

any comments on the document, the same shall be put up to the Sectional Committee for necessary action.

Thanking You,

**Yours faithfully,**  
**(ASIT KUMAR MAHARANA)**  
**Head (Electrotechnical Department)**  
**Email: eetd@bis.gov.in**



## व्यापक परिचालन में मसौदा(दे)

हमारा सन्दर्भ : T-131

दिनांक : 28-01-2025

**तकनीकी समिति : Power Cables Sectional Committee, ETD 09**

प्राप्तकर्ता : रूचि रखने वाले सभी निकाय

महोदय/या,

निम्नलिखित मसौदा तैयार किया गया है :

प्रलेख संख्या : ETD 09 (26234) WC

शीर्षक :

कृपया इस/इन मानक(को)/संशोधन(नो) के मसौदे(दो) का अवलोकन करें और अपनी सम्मतियाँ यह बताते हुए भेजें कि यदि ये मानक(को) के संशोधन(नो) के रूप में प्रकाशित हो तो इन पर अमल करने में आपके व्यवसाय अथवा कारोबार में क्या कठिनाइयां आ सकती हैं।

**सम्मतियाँ भेजने की अंतिम तिथि : 29 March 2025**

सम्मतियाँ, यदि कोई हों तो, कृपया यहाँ क्लिक करके ऑनलाइन पोर्टल के माध्यम से ऊपर दी गयी अंतिम तिथि तक दर्ज कराएं।

यह/ये प्रलेख भारतीय मानक ब्यूरो की वेबसाइट [www.bis.gov.in](http://www.bis.gov.in) पर भी उपलब्ध है/हैं।

धन्यवाद।

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