

**SRI LANKA STANDARD 1187: 2021**  
**(IEC 60183:2015)**  
**UDC 621**

**GUIDANCE FOR THE SELECTION OF  
HIGH-VOLTAGE A.C. CABLES SYSTEMS**  
*(First Revision)*

**SRI LANKA STANDARDS INSTITUTION**

**Sri Lanka Standard**  
**GUIDANCE FOR THE SELECTION OF HIGH-VOLTAGE A.C. CABLES SYSTEMS**  
*(First Revision)*

**SLS 1187: 2021**  
**(IEC 60183:2015)**

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**SRI LANKA**

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## **NATIONAL FOREWORD**

This standard was approved by the Sectoral Committee on Electrical Cables and Conductors and was authorized for adoption and publication as Sri Lanka Standard by the Council of the Sri Lanka Standards Institution on 2021-12-22.

This is the first revision of SLS 1187 and identical with IEC 60183: 2015 Guidance for the selection of high-voltage AC cables system published by the International Electrotechnical Commission (IEC).

In this revision following significant technical changes with respect to the previous version:

- the scope has been changed to a.c. high-voltage cables and cable systems;
- guidance relates to cables with extruded insulation;
- submarine cables are not covered but cables laid in water are covered;
- operation of systems with special bounding of the screen is covered;
- there is guidance on accessories;
- environmental aspects are addressed.

## **TERMINOLOGY AND CONVENTIONS**

The text of the International Standard has been accepted as suitable for publication, without deviation, as a Sri Lanka Standard. However, certain terminology and conventions are not identical with those used in Sri Lanka Standards. Attention is therefore drawn to the following:

- a) Wherever the word “International Standard” appear referring to this standard should be interpreted as “Sri Lanka Standard”.
- b) The comma has been used throughout as a decimal marker. In Sri Lanka standard it is the current practice to use the full point at the basic as the decimal marker.
- c) Wherever page numbers are quoted, they are IEC page numbers.
- d) Whenever standard value of rated frequency appears it shall be taken as 50 Hz.

## **CROSS REFERENCES**

### **International Standards**

ISO 14001: Environment Management System

### **Corresponding Sri Lanka Standards**

SLS ISO 14001: Environment Management System



# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

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**Guidance for the selection of high-voltage A.C. cable systems**

**Lignes directrices pour le choix de systèmes de câbles à haute tension en courant alternatif**



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