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SPECIFICATION FOR RUBBER INSULATION AND SHEATH OF ELECTRIC CABLES

SRI LANKA STANDARDS INSTITUTION

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Sri Lanka Standard
SPECIFICATION FOR RUBBER INSULATION AND SHEATH OF ELECTRIC CABLES

FOREWORD

This standard was approved by the Sectoral Committee on Electric Cables and Conductors and was authorized for adoption and publication as a Sri Lanka Standard by the Council of Sri Lanka Standards Institution on 1997-05-08.

This standard specifies the physical and electrical requirement for the types of rubber insulation and sheath of electric cables. The relevant test methods for verification of compliance are given either in **IEC 811** or in the Methods of Test .

All the values given in this specification are in SI units.

For the purposes of deciding whether a particular requirement of this standard is complied with the final value observed or calculated, expressing the result of a test or an analysis, shall be rounded off in accordance with **CS 102**. The number of significant places retained in the rounded off value shall be the same as that of the specified value in this standard.

In the preparation of this standard the assistance obtained from the **BS 6899 : 1991**, including Amendment No. **1**, published by the British Standards Institution is gratefully acknowledged.

1 SCOPE

This standard specifies the physical and electrical requirements for the types of rubber insulation and sheath of electric cables given in Table **1**. XPLE compound (designated as Type GP 8) has been included.

2 REFERENCES

ISO 48 Methods of testing vulcanized rubber
IEC 50 International Electrotechnical Vocabulary
IEC 502 Extruded solid electric insulated power cables for rated voltages from 1 kV up to 30 kV.
IEC 811 Common test methods for insulating and sheathing materials of electric cables
- Part 1 : Methods for general application
  - Section 2 : Thermal ageing methods
  - Section 3 : Methods for determining the density - Water absorption tests - Shrinkage test
  - Section 4 : Tests at low temperature
- Part 2 : Methods specific to elastomeric compounds
  - Section 1 : Ozone resistance test - Hot set test Mineral Oil immersion test