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SPECIFICATION FOR

ALUMINIUM CONDUCTORS FOR OVER HEAD POWER TRANSMISSION PURPOSES

PART I - ALUMINIUM STRANDED CONDUCTORS

SRI LANKA STANDARDS INSTITUTION

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PART 1 : ALUMINIUM STRANDED CONDUCTORS

FOREWORD

This Sri Lanka Standard was authorized for adoption and publication by the Council of the Sri Lanka Standards Institution on 1986-07-18, after the draft, finalized by the Drafting Committee on Aluminium Stranded Conductors has been approved by the Electrical Engineering Divisional Committee.

This standard is the Part 1 in the series of Sri Lanka Standards on Aluminium Conductors for Overhead Power Transmission : Part 2 in this series is titled "Aluminium Conductors, Steel-reinforced".

In Sri Lanka the usage of electrical power increased considerably over the past few years. Aluminium conductors are mainly used for the purpose of transmission and distribution of electrical power to various parts of the country.

Detailed requirements for aluminium wires are not included in this standard but are referred from the BS 2627 "wrought aluminium for electrical purposes wire". In this standard all dimensions are included in metric units.

Code names used for stranded Al conductors in industry and representative values of co-efficient of linear expansion, modulus of elasticity are given in Appendices.

At the present time there is an increasing use of conductors of constructions other than those covered in this standard. To facilitate standardization of these constructions lay ratio limits and the appropriate stranding factors in an appendix.

In the preparation of this standard data have been drawn from the publication of British Standards Institution and the International Electrotechnical Commission for which Sri Lanka Standards Institution is indebted.

1 SCOPE

This specification applies to aluminium stranded conductors for overhead power transmission purposes.