

SRI LANKA STANDARD 750 PART 2 : 1988

Sri Lanka Standard
SPECIFICATION FOR ALUMINIUM CONDUCTORS
FOR OVERHEAD POWER TRANSMISSION
PURPOSES
PART 2 - ALUMINIUM CONDUCTORS, STEEL - REINFORCED

SRI LANKA STANDARDS INSTITUTION

SPECIFICATION FOR ALUMINIUM CONDUCTORS FOR OVERHEAD POWER TRANSMISSION PURPOSES

Part 2 - Aluminium Conductors, Steel-reinforced

FOREWORD

This Sri Lanka Standard was authorised for adoption and publication by the Council of the Sri Lanka Standards Institution on88-01-25..... after the draft, finalised by the Drafting Committee on Aluminium Conductors for Overhead Power Transmission, has been approved by the Electrical Engineering Divisional Committee.

This specification lays down requirements and test methods for aluminium conductors, steel-reinforced and it is in line with the IEC 209 and BS 215 : Part 2 Specification for Aluminium Conductors, Steel-Reinforced. A note on Modulus of Elasticity and coefficient of linear expansion and the Code names for Standard Aluminium Conductors, steel-reinforced are given in Appendices B and C respectively. They are given for information purposes only.

All values in this specification are given in SI units.

For the purpose of deciding whether a particular requirement of this specification is complied with, the final value observed or calculated expressing the result of a test or observation shall be rounded off in accordance with CS : 102. The number of significant figures to be retained in the rounded off values should be the same as that of the specified value in this specification.

The assistance derived from the publications of the International Electrotechnical Commission and British Standards Institution in the preparation of this specification is gratefully acknowledged.

1 SCOPE

This Sri Lanka Standard specification, applies to Aluminium Conductors, steel-Reinforced for Overhead Power Transmission.

REFERENCES

- BS 2627 Wrought Aluminium for Electrical Purposes - wire
- BS 4565 Galvanized steel wire for Aluminium Conductors, Steel-reinforced.

3 DEFINITIONS

For the purposes of this specification the following definitions shall apply :

3.1 aluminium conductor, steel-reinforced : A conductor consisting of seven or more aluminium and galvanized steel wires build up in concentric layers. The centre wire or wires are of galvanized steel and the outer layer or layers of aluminium.

3.2 diameter : The mean of two measurements at right angles taken at the same cross section.