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SPECIFICATION FOR WROUGHT ALUMINIUM FOR ELECTRICAL PURPOSES - WIRE

SRI LANKA STANDARDS INSTITUTION

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Gr. 5

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Sri Lanka Standard
SPECIFICATION FOR WROUGHT ALUMINIUM FOR ELECTRICAL PURPOSES - WIRE

FOREWORD

This standard was approved by the Sectoral Committees on Electric Cables and Conductors and was authorized for adoption and publication as a Sri Lanka Standard by the Council of the Sri Lanka Standards Institution on 1996-05-23.

This standard specifies the requirements for wrought aluminium for electrical purposes. The relevant methods of test also have been given.

The standard values which have been adopted for the purpose of this standard, are given in Appendix **A** for information. Details of the international alloy designations and the chemical composition limits for wrought aluminium alloys system also given in Appendix **B** for information.

All values given in this specification are in SI units.

For the purpose of deciding whether a particular requirements of the standard is complied with, the final value, observed or calculated, expressing the result of a test or 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 2627 : 1970** Specification for Wrought Aluminium for Electrical Purposes - Wire including amendment No. 1 published by the British Standards Institution is gratefully acknowledged.

1 SCOPE

This standard specifies requirements for aluminium round wire for electrical conductors in six conditions designated as 0, H4, H6, H8, H68 and H9 and in diameters 0.4 mm up to and including 10 mm.

2 REFERENCES

IEC 468 Method of meausurment of resistivity of matallic materials.
SLS 978 Tensile testing of metallic materials
Part 1 : Method of test at ambient temperature.