MALAYSIAN STANDARD

MS IEC 62641:2022

Conductors for overhead lines – Aluminium and aluminium alloy wires for concentric lay stranded conductors
(IEC 62641:2022, IDT)

ICS: 29.060.01; 29.240.20

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DEPARTMENT OF STANDARDS MALAYSIA

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Committee representation

The National Standards Committee on Generation, Transmission and Distribution of Energy (NSC 05) under whose authority this Malaysian Standard was developed, comprises representatives from the following organisations:

Association of Consulting Engineers Malaysia
Department of Standards Malaysia (Secretariat)
Federation of Malaysian Consumers Association
Federation of Malaysian Manufacturers
Jabatan Kerja Raya
Malaysian Cable Manufacturers Association
Malaysian Communications and Multimedia Commission
Malaysian Electrical Appliances and Distributors Association
Malaysian Green Technology Corporation
Sabah Electricity Sdn Bhd
Sarawak Energy Berhad
SIRIM QAS International Sdn Bhd
Suruhanjaya Tenaga
Sustainable Energy Development Authority Malaysia
Tenaga Nasional Berhad
The Electrical and Electronics Association of Malaysia
The Institution of Engineers, Malaysia
Universiti Malaya
Universiti Teknologi Malaysia

The Technical Committee on Cables and Cable Accessories (NSC 05/TC 15) which supervised the adoption of the IEC Standard as Malaysian Standard consists of representatives from the following organisations:

Association of Consulting Engineers Malaysia
Department of Standards Malaysia (Secretariat)
Jabatan Kerja Raya Malaysia
Malaysian Cable Manufacturers Association
Malaysian Electrical Appliances Distributors Association
Petroliam Nasional Berhad
SIRIM QAS International Sdn Bhd
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Telekom Malaysia Berhad
Tenaga Nasional Berhad
The Electrical and Electronics Association of Malaysia
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The Working Group on Cables (NSC 05/TC 15/WG 1) which recommended the adoption of the IEC Standard as Malaysian Standard consists of representatives from the following organisations:

Association of Consulting Engineers Malaysia
Central Cables Berhad
Department of Standards Malaysia (Secretariat)
Fajar Cables Sdn Bhd
Hi-Essence Cable Sdn Bhd
Leader Cable Industry Berhad
Malaysian Cable Manufacturers Association
Malaysian Electrical Appliances Distributors Association
Master Tec Wire & Cable Sdn Bhd
Mega Cable Sdn Bhd
Olympic Cable Company Sdn Bhd
Power Cables Malaysia Sdn Bhd
Sindutch Cable Manufacturer Sdn Bhd
SIRIM QAS International Sdn Bhd
Southern Cable Sdn Bhd
Tenaga Cable Industries Sdn Bhd
The Institution of Engineers, Malaysia
Universal Cable (M) Berhad
Universiti Malaya
Utama Cables Sdn Bhd

Co-opted members:
Suruhanjaya Tenaga

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National Foreword

The adoption of the IEC Standard as a Malaysian Standard was recommended by the Working Group on Cables (NSC 05/TC 15/WG 1) under the authority of the National Standards Committee on Generation, Transmission and Distribution of Energy (NSC 05).

This MS IEC 62641 cancels and replaces MS 1143:1989, *Specification for aluminium alloy stranded conductor for overhead power transmission*.

This Malaysian Standard is identical with IEC 62641:2022, *Conductors for overhead lines – Aluminium and aluminium alloy wires for concentric lay stranded conductors*, published by the International Electrotechnical Commission (IEC). However, for the purposes of this Malaysian Standard, the following apply:

a) in the source text, "this International Standard" should read "this Malaysian Standard";

b) the comma which is used as a decimal sign (if any), to read as a point; and

c) reference to International Standards should be replaced by corresponding Malaysian Standards as follows:

Referenced International Standards	Corresponding Malaysian Standards
ISO 6892-1, *Metallic materials – Tensile testing - Part 1: Method of test at room temperature*	MS ISO 6892-1, *Metallic materials – Tensile testing - Part 1: Method of test at room temperature*

Compliance with a Malaysian Standard does not of itself confer immunity from legal obligations.

NOTE IDT on the front cover indicates an identical standard i.e. a standard where the technical content, structure, and wording (or is an identical translation) of a Malaysian Standard is exactly the same as in an International Standard or is identical in technical content and structure although it may contain the minimal editorial changes specified in clause 4.2 of ISO/IEC Guide 21-1:2005.

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