# CERTIFICATE OF ACCREDITATION

*This is to attest that*

## ELECTRO-MECHANICAL INSTITUTE
## (HOUSING AND BUILDING NATIONAL RESEARCH CENTER)

87 EL-TAHRIR STREET
DOKKI, 1770, ARAB REPUBLIC OF EGYPT
**Testing Laboratory TL-1105**

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories.* This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date November 13, 2024

International Accreditation Service
Issued under the authority of IAS management

Visit www.iasonline.org for current accreditation information.

# ELECTRO-MECHANICAL INSTITUTE (HOUSING AND BUILDING NATIONAL RESEARCH CENTER)

**Contact Name** Sally Aladdin **Contact Phone** +20 01065251505

*Accredited to ISO/IEC 17025:2017* *Effective Date November 13, 2024*

| | |
|---|---|
| BS 6004:2012+A1:2020 | Electrical cables – PVC insulated and PVC sheathed cables for voltages up to and including 300/500 V, for electric power and lighting<br>Cl. 14.2 Conductor Resistance<br>Cl. 15.4 Voltage withstand test<br>Cl. 16.2 Insulation resistance test |
| ES 182-2:2011 | Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 2: Test methods<br>Cl. 2.1 Electrical resistance of conductor<br>Cl. 2.2 Voltage test carried out on completed cables<br>Cl. 2.4 Insulation resistance |
| IEC 60227-1:1998 | Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 1: General requirements (applicable standard IEC 60227-2) |
| IEC 60227-2:1997 | Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 2: Test methods<br>Cl.1.9 Measurement of insulation thickness<br>Cl.1.11 measurement of overall dimensions and ovality<br>Cl. 2.1 Electrical resistance of conductor<br>Cl. 2.2 Voltage test carried out on completed cables<br>Cl. 2.3 Voltage Test on Cores<br>Cl. 2.4 Insulation resistance |
| IEC 60227-3:1997 | Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 3: Non-sheathed cables for fixed wiring requirements (applicable standard IEC 60227-2) |