

Scope of Accreditation for Testing

Certificate No. 20T179/1157

Laboratory Name Phelps Dodge International (Thailand) Limited (Bangplee Branch)
 Address 159 Moo 10, Soi Watratburana, Thepharak Road, Bangpla, Bangplee, Samutprakan
 Accreditation No. TESTING 0649
 Laboratory Status Permanent Site Temporary Mobile

Field of Testing	Parameter	Test Method
Electrical field		
1. Power cables with XLPE insulated for rated voltage from 60 kV up to 115 kV	<ul style="list-style-type: none"> - Partial discharge test - Voltage test of cables - Voltage test of sheath 	- TIS 2202-2547 (2004)
2. Power cables with extruded insulation and their accessories for rated voltage from 1 kV (Um = 1.2 kV) up to 30 kV (Um = 36 kV) - Part 2 : Cables for rated voltages from 6 kV (Um = 7,2 kV) Up to 30 kV (Um = 36 kV)	<ul style="list-style-type: none"> - Electrical resistance of conductors - Partial discharge test - Voltage test - Insulation resistance measurement at ambient temperature - Insulation resistance measurement at maximum conductor temperature 	- TIS 2143-2546 (2003)
3. Aluminium space aerial power cables with XLPE insulated and sheathed for rated voltages of 25 kV and 35 kV	<ul style="list-style-type: none"> - Conductor resistance - Voltage test of cables - Insulation resistance 	- TIS 2341-2555 (2012)

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Electrical field		
4. Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1,2 kV) up to 30 kV (Um = 36 kV) – Part 2 : Cables for rated voltages from 6 kV (Um = 7,2 kV) up to 30 kV (Um = 36 kV)	<ul style="list-style-type: none"> - Electrical resistance of conductors - Partial discharge test - Voltage test - Insulation resistance 	- IEC 60502-2 Edition 3.0 : 2014-02
5. Self-supporting aerial cables (Twisted aerial cable) of rated voltages 22 kV and 33 kV	<ul style="list-style-type: none"> - Measurement of electrical resistance of conductors - Partial discharge test - High-voltage test : A.C. voltage test - Insulation resistance test 	- PEA Specification No. : RCBL-028/2548
6. Round wire concentric lay overhead electrical stranded conductors	<ul style="list-style-type: none"> - Breaking strength of wires - Conductor DC resistance 	- TIS 85-2548 (2005)
7. LV cables with copper conductor, XLPE insulation and PVC jacket (Service drop)	<ul style="list-style-type: none"> - Conductor DC resistance per unit length - AC voltage tests - Insulation resistance 	- ANSI/NEMA WC 70-2009/ ICEA S-95-658-2009

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Field of Testing	Parameter	Test Method
Electrical field 8. PVC-insulated aluminium cables	- Conductor DC resistance - Voltage test of cables	- TIS 293-2541 (1998)

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(Signature)

(Mr. Wanchai Phanomchai)

Secretary - General

Thai Industrial Standards Institute