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

Field of Testing		Parameter	Test Method
Ele	ectrical field		
1.	Power cables with XLPE insulated for rated voltage from 60 kV up to 115 kV	Partial discharge testVoltage test of cablesVoltage 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)	 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	 Conductor resistance Voltage test of cables Insulation resistance 	- TIS 2341–2555 (2012)

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Accreditation No. TESTING 0649

Laboratory Status $oxedsymbol{arDelta}$ Permanent $oxedsymbol{\Box}$ Site $oxedsymbol{\Box}$ Temporary $oxedsymbol{\Box}$ Mobile

Field of Testing	3	Parameter	Test Method
Electrical field			
4. Power cables with extruded insulation their accessories fo voltages from 1 kV (1,2 kV) up to 30 kV 36 kV) – Part 2 : Cal rated voltages from (Um = 7,2 kV) up to (Um = 36 kV)	and - Partial di r rated - Voltage to Um = - Insulation (Um = bles for to 6 kV	l resistance of conductor scharge test test n resistance	s - IEC 60502-2 Edition 3.0 : 2014-02
5. Self–supporting aer cables (Twisted aer cable) of rated volt 22 kV and 33 kV	resistanc rages - Partial di - High-volt	ment of electrical e of conductors scharge test tage test : A.C. voltage te n resistance test	- PEA Specification No. : RCBL- 028/2548
6. Round wire concent overhead electrical stranded conductor	- Conduct	strength of wires or DC resistance	- TIS 85-2548 (2005)
7. LV cables with cop conductor, XLPE in and PVC jacket (Ser drop)	sulation length vice - AC volta	or DC resistance per unit ge tests n resistance	- ANSI/NEMA WC 70-2009/ ICEA S-95-658-2009

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Accreditation No. TESTING 0649
Laboratory Status \square Permanent \square Site \square Temporary \square Mobile

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

Issue date 28th October B.E. 2563 (2020)

(Signature)

(Mr. Wanchai Phanomchai)

Secretary - General

Thai Industrial Standards Institute

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