

Best value for the high quality
and safety you like in your wires.



The Ortigas Company used only Phelps Dodge Alumilite™
for the new Estancia at Capitol Commons.
For small sizes, they bundled Phelps Dodge Alumilite™
aluminum building wires with Phelps Dodge copper building wires.

Shopping malls, condominiums, hospitals - these require high quality building materials. And wires and cables are not an exception. Use Phelps Dodge Alumilite™ - the affordable building wire that doesn't compromise on quality and delivery.

**phelps
dodge** ALUMILITE

- Made of certified Aluminum 8000 series alloy, commonly used in the USA
- Tough and slippery polyamide (nylon), with Flexiglide®, for easy pulling
- 50% lighter than copper for easy installation
- Up to 40% in cost savings versus the copper THHN/THWN-2
- Higher temperature rating (up to 90°C) for both wet and dry locations
- UL-listed under the E-54448

Use only Phelps Dodge Alumilite™ and be sure of the utmost safety for the people you build for.

**phelps
dodge**

One-time investment. Lifetime protection.

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Alumilite™ Phelps Dodge's aluminum building wire 8000 series with slippery additive Flexiglide™*
*Patent 2-2012-0002

General Manager:
ES
A. SORIANO
CORPORATION

**CERTIFICATION
INTERNATIONAL**
ISO 9001:2008
ISO 14001:2004
OHSAS 18001:2007
CERTIFIED

UL
Underwriters
Laboratories

phelps dodge ALUMILITE

Aluminum THHN/THWN-2
600 V 90°C Dry or Wet
PVC Insulated
Polyamide (Slippery Nylon) Jacketed

Slippery Nylon

Aluminum Alloy
Conductor



Lead-Free PVC
(UL-Listed)

Detailed Description or Construction

Conductor

AA-8000 series aluminum alloy compact stranded sizes 1/0 AWG up to 1000 MCM

Insulation

Premium grade flame retardant

Lead-free UL-listed Polyvinyl Chloride

Jacket

Tough and abrasion resistant polyamide (nylon 6 UL Listed), slippery Flexiglide™ for easy pulling

Features

- CT Rated Lead-free THHN/THWN cables are insulated with special PVC formulation that makes it more flame retardant than ordinary THHN cables
- More tolerant to heat with its better flame retardant PVC
- Insulation is made of materials that do not contain lead as stabilizer, making it environmentally friendly
- Nylon jacket offers mechanical protection and resistance to petroleum by-products, chemical reagents, and oils; it is also abrasion-resistant
- Nylon jacket is coated with Flexiglide™ that allows greater ease in installation; its slippery property allows easier pulling when stripping
- Available in black, white, red, blue, green, and yellow colors

Standards/Testing Specifications

Aluminum THHN/THWN-2 meets or exceeds all applicable ASTM and UL specifications, requirements of the National Electrical Code, Philippine Electrical Code, and conforms to the following standards:

- UL83 for Thermoplastic Insulated Wires and Cables (THHN/THWN-2)
- ASTM B801 for Al Conductors 8000 series

Application

Ideal for cable tray installation, wire ways, open wiring, conduits, service entrance, feeders, and branch circuits for permanent installations. Suitable for power lighting installations in residential, commercial, and industrial establishments.

Temperature rating not to exceed:

- THHN/THWN-2: 90°C dry and wet,
Gasoline and Oil Resistant 2, 600 Volts

Head Office

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Manufacturing Plant

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