# 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  $^{\text{TM}}$  - the affordable building wire that doesn't compromise on quality and delivery.

## phelps 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  $^{\text{TM}}$  and be sure of the utmost safety for the people you build for.



One-time investment. Lifetime protection.

Tel: (02) 813-2529; (02) 893-4989 • Fax: (02) 812-0798 Email: customercare@phelpsdodge.com.ph Website: www.phelpsdodge.com.ph



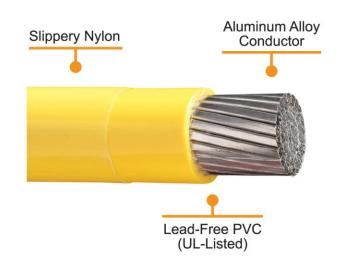






#### Aluminum THHN/THWN-2

600 V 90°C Dry or Wet PVC Insulated Polyamide (Slippery Nylon) Jacketed



## **Detailed Description or Construction**

#### Conductor

AA-8000 series aluminum alloy compact stranded sizes I/0 AWG up to I000 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

## 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

## **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<sup>™</sup> that allows greater ease in installation; its slippery property allows easier pulling when stripping
- Available in black, white, red, blue, green, and yellow colors

## **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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