

# MIRABEL CABLES

## Secondary URD

### AA-8000 Tri-Rated

Compressed Aluminum Conductor, XLPE Insulated, 600V



## APPLICATION

Suitable for secondary distribution and underground service at voltages of 600V or less, HT URD cables are versatile solutions for various scenarios. These cables are designed for direct burial or installation inducts, showcasing excellent resistance to heat, ozone, oil, and chemicals. The AA-8000 series aluminum alloy conductors they feature offer increased flexibility and reduced springback, allowing for easy installation without the need for lubrication. Moreover, HT URD cables adhere to environmental standards, being lead-free and RoHS compliant. With tear and abrasion resistance, these cables are ideal for diverse electrical setups.

## CONSTRUCTION

### Conductor

Aluminum alloy AA-8000 series, compressed Class B stranding per ASTM B-801.

### Separator

A suitable opaque tape, as required.

### Insulation

**Phase conductor:** Black thermoset cross-linked polyethylene (XLPE).

**Neutral conductor:** Black thermo set cross-linked polyethylene (XLPE), with three yellow extruded stripes.

**Conductor Phase ID:** Ink printed.

### Configurations

**Single:** One black phase insulated conductor.

**Duplex:** One black phase insulated conductor and one neutral insulated conductor cabled together.

**Triplex:** Two black phase insulated conductors (A & B) and one neutral insulated conductor cabled together.

**Quadruplex:** Three black phase insulated conductors (A, B & C) and one neutral insulated conductor cabled together.

## CHARACTERISTICS

### Electrical performance

Maximum operating voltage: 600V

### Thermal performance

Maximum conductor operation temperatures: 90° C wet and dry

### Versatile Application

Suitable for secondary distribution and underground service at 600V or less, with options for direct burial or installation inducts.

### Robust Construction

Constructed with AA-8000 series aluminum alloy conductors, offering increased flexibility and reduced springback for easy installation.

### Exceptional Resistance

Exhibits excellent heat, ozone, oil, and chemical resistance, ensuring durability in various environments.

### Ease of Installation

Annealed conductors allow for easy bending without the need for lubrication, simplifying the installation process.

### Environmental Compliance

Lead-free and RoHS compliant, meeting environmental standards for safer usage.

### Durable Performance

Resistant to tear and abrasion, ensuring longevity and reliability in diverse electrical setups.

## STANDARDS / COMPLIANCE

**ASTM B-800** Specification for 8000 Series Aluminum Alloy Wire for Electrical Purposes—Annealed and Intermediate Tempers.

**ASTM B-801** Specification for Concentric-Lay-Stranded Conductors of 8000 Series Aluminum Alloy for Subsequent Covering or Insulation.

**ASTM B-901** Specification for Compressed Round Stranded Aluminum Conductors Using Single Input Wire Construction.

**UL 44** Thermoset-Insulated Wire and Cable.

**UL 854** Service-Entrance Cables.

**ICEA S-105-692** 600V Single Layer Thermoset. Insulated Utility Underground Distribution Cable.

