

# MIRABEL CABLES

## Type NM-B

### Non-Metallic Sheathed Cable

600V Copper, PVC/Nylon, PVC Jacket, 90°C



### APPLICATION

This type of cable is ideal for residential electrical wiring, serving as branch circuits for outlets, switches, and various loads. Whether it's exposed or concealed within walls, it can be used in typically dry areas, as long as it complies with the regulations outlined in the National Electrical Code (NEC).

This cable can be easily installed or threaded through air voids in masonry block or tile walls, provided these surfaces aren't excessively wet or damp. According to the NEC, the current should not exceed that of a 60 ° C rated conductor. This cable is well-suited for safe and reliable electrical wiring in homes, whether for new construction or remodeling projects.

### CONSTRUCTION

#### Copper Conductor

Soft annealed uncoated copper solid wire per ASTM B3; or soft annealed uncoated copper Class B or C concentric stranding or unilay (19 wires) per ASTM B8; or combination unilay per ASTM B787.

Sizes: 14 AWG-2 AWG

Number of Conductors: 2 to 4, or 4 conductor with 2 neutrals.

#### Insulation

Flame retardant thermoplastic polyvinyl chloride (PVC) and nylon covering.

#### Bare Ground

Soft annealed uncoated copper solid wire per ASTM B3.

#### Separator

A suitable kraft paper wrap, applied over the ground.

#### Assembly

2 conductors and ground laid parallel and overall paper wrap or 3 and 4 conductors and ground twisted together.

#### Jacket

Flexible, moisture abrasion resistant and flame retardant polyvinyl chloride (PVC), and color coded for ID.

### CHARACTERISTICS

#### Electrical performance

Maximum operating voltage: 600 volts

#### Thermal performance

Maximum conductor operation temperature: 90° C Dry, but conductor ampacity is limited to 60 ° C, in accordance with NEC.

This cable is UL Listed as NM-B Cable. The single conductors have dual ratings of THHN/THWN, meeting 90°C Dry and 75°C Wet conditions.

### STANDARDS / COMPLIANCE

**ASTM B-3** Standard Specification for Soft or Annealed Copper Wire.

**ASTM B-8** Standard Specification for Concentric-Lay - Stranded Copper Conductors, Hard, Medium-Hard, or Soft.

**ASTM B-787** Standard Specification for 19 Wire Combination Unilay-Stranded Copper Conductors for Subsequent Insulation.

**UL 719** Nonmetallic-Sheathed Cables.

**UL 83** Thermoplastic-Insulated Wires and Cables.

**A-A-59544** Federal Specifications Standards and Test Methods.

**Country of origin** South Korea

