

# NM-B, AC Cable & Flexible Cord (SOOW / SJOOW)

600V | Residential & Light Commercial | Portable Power & Industrial Flexible Cord

## PRODUCT OVERVIEW

Mirabel Energy USA supplies NM-B non-metallic sheathed cable, AC (Armored Cable / BX), and flexible portable cord in SOOW and SJOOW constructions — covering the full range of residential, light commercial, and industrial portable power requirements. NM-B (Romex) is the standard for residential branch circuit wiring in dry, protected locations and is available in 2-wire, 3-wire, and 4-wire configurations from #14 AWG through #2 AWG per NEC Article 334. AC Cable (Type AC / BX) provides flexible steel-armored wiring for dry location residential and light commercial applications per NEC Article 320, with an internal aluminum bonding strip providing the equipment grounding path. SOOW portable cord delivers oil, moisture, and abrasion-resistant portable power capability for industrial machinery, construction equipment, temporary power, and stage/entertainment applications — with SJOOW for lighter service junior hard-service applications.

<b>600V</b> Voltage Rating	<b>60°C / 90°C</b> Temperature Rating	<b>Residential / Portable</b> Primary Use	<b>UL 719 / UL 62</b> Standards
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## APPLICATIONS

- Residential branch circuit wiring — lighting, receptacles, appliances (NM-B)
- Light commercial dry-location branch circuits in wood-frame construction (NM-B)
- Residential and light commercial wiring in AC (BX) flexible armored cable
- Industrial machinery and equipment portable power connections (SOOW)
- Construction site temporary power — extension cords and equipment drops (SOOW)
- Stage, entertainment, and event power distribution (SOOW/SJOOW)

## KEY SPECIFICATIONS

- NM-B: 2/C, 3/C, 4/C with ground | #14 AWG – #2 AWG | UL 719 / NEC 334
- NM-B: 60°C conductors in PVC insulation, PVC outer sheath
- AC Cable (BX): flexible steel armor, Al bonding strip, 90°C THHN conductors
- AC Cable: dry location rated | #14 AWG – #1 AWG | UL 4 / NEC 320
- SOOW: 600V, 90°C, oil/moisture/abrasion-resistant CPE jacket
- SJOOW: 300V, 90°C, lighter service — equipment cords and portable tools
- SOOW: #18 AWG – #2/0 AWG, 2–4 conductors | UL 62 / OSHA listed
- Flexible cord constructions pass UL vertical flame test

## TECHNICAL SPECIFICATIONS

Parameter	NM-B (Romex)	SOOW Portable Cord
Voltage Rating	600V	600V
Temperature Rating	60°C conductors	90°C (CPE jacket)
Armor / Jacket	PVC sheath	CPE (oil resistant)
Conductor Sizes	#14 AWG – #2 AWG	#18 AWG – #2/0 AWG
Configurations	2/C+G, 3/C+G, 4/C	2, 3, 4 conductors
Location Rating	Dry / protected	Portable / industrial
Standard	UL 719 / NEC 334	UL 62 / NEC 400

<b>SIZES &amp; CONFIGURATIONS</b> NM-B: #14–#2 AWG   AC: #14–#1 AWG   SOOW: #18 AWG–#2/0 AWG   All UL listed	<b>STOCKING LOCATIONS</b> Reno, NV · Houston, TX Standard & project-phased delivery	<b>OEM REPRESENTATIVE</b> GCP Energy LLC — Salt Lake City, UT portal.gcpenergy.us
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