

# USE-2 / RHH / RHW-2 Multi-Rated Wire

600V · 90°C | Underground Service Entrance · Photovoltaic · High-Moisture Conduit

## PRODUCT OVERVIEW

Mirabel Energy USA USE-2/RHH/RHW-2 multi-rated wire is the standard conductor for underground service entrance (USE), photovoltaic (PV) source and output circuit wiring, and conduit applications requiring maximum moisture resistance and thermal durability. The triple rating — USE-2 (Underground Service Entrance), RHH (Rubber High Heat), and RHW-2 (Rubber High Heat and Water resistant, 90°C) — provides broad installation flexibility under a single wire specification. XLPE or EPR insulation provides sunlight resistance, moisture rejection, and long-term dielectric integrity for direct burial and conduit runs exposed to harsh outdoor environments. Per NEC Article 690, USE-2 and RHW-2 are the recognized wire types for PV array wiring — making this the go-to conductor for solar farm collection circuits, rooftop PV systems, and battery energy storage interconnects. Available in single and multi-conductor configurations.

|                               |                                   |                                 |   |
|-------------------------------|-----------------------------------|---------------------------------|---|
| <b>600V</b><br>Voltage Rating | <b>90°C</b><br>Temperature Rating | <b>XLPE / EPR</b><br>Insulation | <b>Solar / USE Rated</b><br>Key Application |
|-------------------------------|-----------------------------------|---------------------------------|---|

## APPLICATIONS

- Underground service entrance (USE) — utility to building meter base
- Solar PV source circuit and output circuit wiring (NEC Article 690)
- Battery energy storage system (BESS) DC interconnect wiring
- Direct buried conduit feeder runs in moisture-rich environments
- Utility meter socket and riser cable applications
- Wind turbine base collector cable and electrical balance-of-plant wiring

## KEY SPECIFICATIONS

- Triple-rated USE-2 / RHH / RHW-2 — maximum installation flexibility
- 90°C wet and dry — XLPE or EPR insulation
- Sunlight resistant — approved for exposed outdoor and direct burial use
- NEC Article 690 recognized for solar PV source and output circuit wiring
- No outer jacket required for USE-2 service entrance applications
- Available bare copper and tinned copper conductors for corrosion resistance
- #6 AWG – 1000 kcmil stranded copper | #2 AWG – 1000 kcmil aluminum
- UL 44 / UL 854 listed | Direct burial rated per NEC Table 300.5

## TECHNICAL SPECIFICATIONS

| Parameter           | USE-2 / RHW-2 (Cu)  | USE-2 / RHW-2 (Al)  |
|---------------------|---------------------|---------------------|
| Voltage Rating      | 600V                | 600V                |
| Temperature Rating  | 90°C wet & dry      | 90°C wet & dry      |
| Insulation          | XLPE or EPR         | XLPE or EPR         |
| Sunlight Resistant  | Yes                 | Yes                 |
| Direct Burial Rated | Yes                 | Yes                 |
| Conductor Sizes     | #6 AWG – 1000 kcmil | #2 AWG – 1000 kcmil |
| Standard            | UL 44 / UL 854      | UL 44 / UL 854      |

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| <b>SIZES &amp; CONFIGURATIONS</b><br>#6 AWG – 1000 kcmil Cu   #2 AWG – 1000 kcmil Al<br>  Bare or tinned conductor | <b>STOCKING LOCATIONS</b><br>Reno, NV · Houston, TX<br>Standard & project-phased delivery | <b>OEM REPRESENTATIVE</b><br>GCP Energy LLC — Salt Lake City, UT<br>portal.gcpenergy.us |
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