



Corrosion Mitigation Instrumentation

Wire Specification Sheet

XLPE Insulated Wire (RHW-2, RHH & USE-2)

T&R Applicable Products

- CP Coupons
- Spectre Reference Electrodes

Wire Application:

Single conductor wire designed for use in grounded or ungrounded systems. Suitable for direct burial, raceway, or photovoltaic installations. Rated for 90°C wet or dry, 1000V, in compliance with National Electrical Code (NEC) NFPA 70.

Construction

- **Conductor:** Stranded bare or tinned annealed copper (ASTM B-3 & B-8)
- **Insulation:** Flame-retardant Cross-linked Polyethylene (XLPE), black

Standards & Certifications

- UL Listed as Type **USE-2** (90°C wet/dry) – UL Standard 854
- UL Listed as Type **RHW-2/RHH** (90°C wet/dry) – UL Standard 44
- ICEA S-95-658 compliant

Electrical Ratings

- **Voltage Rating:** 1000V
- **Temperature Rating:** 90°C (wet/dry)

Ampacity & Dimensions (per NEC, 30°C ambient)

Size (AWG)	Strands	Insulation (Mils)	Nominal Diameter (in)	Ampacity @90°C	Approx. Wt. (lbs/1000 ft)
14	7	60	0.192	15	28
12	7	60	0.212	30	38
10	7	60	0.235	40	45

Ampacity based on NEC Table, not more than three conductors in raceway or direct burial conditions.

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