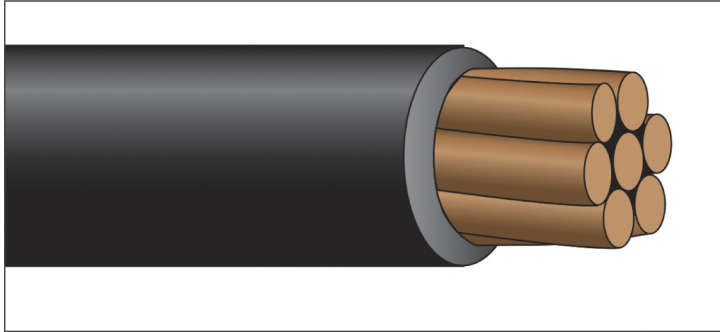




## SINGLE CONDUCTOR



# USE-2/RHW-2/RW90

## CT Rated

### 600/1,000 Volt Copper



### Description:

Single copper conductor, stranded and insulated with moisture and heat resistant, chemically crosslinked polyethylene. **Available in colors.**

### Application:

Suitable for use in general purpose wiring applications and may be installed in raceway, conduit, direct burial and aerial installations where a cable having superior flame retardance is required. Suitable for use in 105°C dry systems. Also suitable for use in low leakage circuits requiring a dielectric constant of 3.5 or less (*Hospital Grade*).

### Standards:

ASTM Standards: B-3 (*soft or annealed*), B-8 (*concentric lay stranded*), B787 (*combination strand*)  
 UL 44 and UL 854, C(UL)US RW90 1kV: CSA/UL Listed, C(UL) RPV90 600V CSA C22.2 No. 38  
 ICEA S-95-658/NEMA WC-70  
 L-824C (#12 AWG - 4/0 AWG)  
 Federal Spec. A-A-59544  
 Flame Rated: CT Use (*1/0 AWG and larger*)  
 Temperature Rated at 90°C Wet/Dry  
 Cold Temperature Rated at -40°C  
 Sunlight Resistant, Gasoline and Oil Resistant II  
 Direct Burial  
 RoHS Compliant

Size (AWG or Kcmil)	Strand (no.)	Insulation Thickness (mils)	Approx. Diameter Overall (in.)	Aprox. Net Weight (lb./1000')	Ampacity 90°C Wet/Dry
14	7	45	0.163	21	35†
12	7	45	0.182	30	40†
10	7	45	0.205	43	55†
8	7	60	0.263	69	80
6	7	60	0.301	103	105
4	7	60	0.350	156	140
3	7	60	0.374	192	165
2	7	60	0.404	238	190
1	19	80	0.476	307	220
1/0	19	80	0.517	384	260
2/0	19	80	0.562	476	300
3/0	19	80	0.610	590	350
4/0	19	80	0.669	735	405
250	37	95	0.762	868	455
300	37	95	0.819	1,031	500
350	37	95	0.866	1,192	570
400	37	95	0.911	1,353	615
500	37	95	0.986	1,673	700
600	61	110	1.111	2,033	780
750	61	110	1.205	2,493	885

\*Per NEC Table 310.15 (B)(17). †The overcurrent protection for items marked with an obelisk (†) shall not exceed 15 amps for #14 AWG, 20 amps for #12 AWG, and 30 amps for #10 AWG per NEC 310-17 footnote. NOTE: The data shown is approximate and subject to standard industry tolerances.