

2000V W RHH / RHW-2

Portable Power Cable 90°C UL C(UL) MSHA Industrial Grade



SPECIFICATIONS & STANDARDS

ICEA S-75-381/NEMA WC58, ICEA S-95-658/NEMA WC70, ASTM B172, ASTM B 33, UL 44

CONSTRUCTION:

- Conductors:** Standard Flex tin copper, B-172 and ICEA S-75-381/NEMA WC70
- Separator:** Tape separator between conductor and insulation
- Insulation:** Ethylene-propylene rubber (EPR), ICEA S-95-658 sec.3.21, table 3-6
- Reinforcement:** Nylon open braid applied over insulation
- Jacket:** Black heavy duty CPE thermoset compound, ICEA S-75-381/NEMA WC70 sec 3.21, table 3-4

| FEATURES | APPLICATION |
|--|---|
| <ul style="list-style-type: none"> - Super-excellent flexibility - Water resistant and flame retardant - Rated and flexible at -40°C to +90°C - Excellent impact and abrasion resistant - Ozone, sunlight, oil, grease, weather, chemical resistant | <ul style="list-style-type: none"> - Portable power systems - Other industrial applications |

APPROVALS:

- UL:** E207132 – Oil Resistant; Oil Resistant Inners; Sunlight Resistant; 90C Wet or Dry
- C(UL):** E207132 – FT1; FT5; -40°C +90°C
- MSHA:** P-7K-268101

SPECIAL FACTORY OPTIONS:

- Jacket:** Other colors available
- MSHA:** P-7K-268077 (Neoprene)
- CSA:** 1523058 (LR 103932) – FT1; FT5; 90C; (-40C) (Neoprene)
- Conductor:** Also available in Standard Flex tin copper stranding

TINNED COPPER CONDUCTORS (STANDARD)

| Part Number | Power Conductor Size | Power Conductor Stranding | Nominal Insulation Thickness | | Nominal O.D. | | Approx. Weight | | Ampacity (1) 30°C Ambient Temp. |
|-------------|----------------------|---------------------------|------------------------------|------|--------------|------|----------------|--------|---------------------------------|
| | AWG or MCM | No. of Wires | inches | mm | inches | mm | lbs/1000 ft | kgs/km | A |
| W8-1 | 8 AWG | 133 7x19 | 0.060 | 1.52 | 0.440 | 11.2 | 129 | 192 | 80 |
| W6-1 | 6 AWG | 133 7x19 | 0.060 | 1.52 | 0.511 | 13.0 | 188 | 280 | 105 |
| W4-1 | 4 AWG | 259 7x37 | 0.060 | 1.52 | 0.551 | 14.0 | 249 | 371 | 140 |
| W2-1 | 2 AWG | 259 7x37 | 0.060 | 1.52 | 0.638 | 16.2 | 363 | 540 | 190 |
| W1-1 | 1 AWG | 259 7x37 | 0.080 | 2.03 | 0.720 | 18.3 | 458 | 682 | 220 |
| W1/0-1 | 1/0 AWG | 266 19x14 | 0.080 | 2.03 | 0.768 | 19.5 | 536 | 798 | 260 |
| W2/0-1 | 2/0 AWG | 342 19x18 | 0.080 | 2.03 | 0.787 | 20.0 | 635 | 945 | 300 |
| W3/0-1 | 3/0 AWG | 418 19x22 | 0.080 | 2.03 | 0.870 | 22.1 | 753 | 1121 | 350 |
| W4/0-1 | 4/0 AWG | 532 19x28 | 0.080 | 2.03 | 0.885 | 22.5 | 897 | 1335 | 405 |
| W250-1 | 250 MCM | 627 19x33 | 0.095 | 2.41 | 1.031 | 26.2 | 1088 | 1619 | 455 |
| W350-1 | 350 MCM | 888 37x24 | 0.095 | 2.41 | 1.146 | 29.1 | 1444 | 2149 | 570 |
| W500-1 | 500 MCM | 1221 37x33 | 0.095 | 2.41 | 1.255 | 31.9 | 1913 | 2847 | 700 |
| W800-1 | 800 MCM | 1891 61x31 | 0.095 | 2.41 | 1.614 | 41.0 | 3071 | 4570 | 920 |

(1) Ampacity - Free air measured. Based on continuous duty at 90°C conductor temperature per 2011 NEC Table 400.5(A)(2)

STANDARD PRINT LEGEND:

TF CABLE (SIZE) TYPE W 2000V PORTABLE POWER CABLE RHH/RHW-2 (UL) E207132 90C SUN RES OIL RES 90C WET OR DRY C(UL) FT-1 FT-5 (-40C) P-7K-268101-MSHA



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