1/C CU 2000V EPDM/CPE Type W RHH/RHW-2 Industrial Grade Cable 90°C. MSHA Approved

Flexible Copper Conductors, Ethylene Propylene Diene Monomer (EPDM) Insulation, Single Layer Chlorinated Polyethylene (CPE) Jacket. Type RHH/RHW-2 90°C Wet and Dry



Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Bare, soft drawn, annealed, flexible, rope-lay stranded copper per ASTM B3/B172
2. **Separator Tape:** Non-conducting tape applied between the conductor and insulation to facilitate stripping
3. **Insulation:** Ethylene Propylene Diene Monomer (EPDM)
4. **Reinforcement Binder:** Reinforcing twine.
5. **Jacket:** Black, flame resistant, thermosetting Chlorinated Polyethylene (CPE)

APPLICATIONS AND FEATURES:

Southwire Type W cable is a heavy-duty industrial cable for use in flexible, portable, and extra-hard usage applications per NEC Article 400. Suitable for continuous submersion in water ideal for submersible pumps. Also suitable for use in light to medium-duty mining applications. Sunlight and oil resistant. Highly flexible and easy to work with in cold conditions. Approved for use per the NEC® as Type RHH/RHW-2 90°C wet or dry. Meets FT-1 and FT-5 Flame Tests.

SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- ASTM B172 Standard Specification for Rope-Lay-Stranded Copper Conductors Having Bunch-Stranded Copper Conductors
- UL 44 Thermoset-Insulated Wires and Cables
- UL 1650 Standard for Portable Power Cable
- MSHA Approved
- RoHS-2 (European Directive 2011/65/EU)

SAMPLE PRINT LEGEND:

AMERICAN MUSTANG # AWG 1/C TYPE W PORTABLE POWER CABLE 90°C - WET OR DRY 2000V OIL AND SUN. RES. RHH/RHW-2 AIWTM (UL) P-136-35-MSHA cUL FT1/FT5 -40°C FOR HARD USAGE ONLY RoHS

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Table 1 – Weights and Measurements

Stock Number	Cond. Size	Cond. Strands	Diameter Over Conductor	Insul. Thickness	Jacket Thickness	Approx. OD	Approx. Weight
	AWG/Kcmil	No.	inch	mil	mil	inch	lb/1000ft
599664	8	168	0.145	60	75	0.433	132
599718	6	273	0.186	60	95	0.522	191
640807	4	427	0.235	60	95	0.572	255
TBA	2	651	0.290	60	95	0.606	299
640810	2	259	0.290	60	95	0.666	352
641392	1	259	0.300	80	95	0.714	432
641395	1/0	259	0.379	80	95	0.759	514
641398	2/0	324	0.400	80	95	0.820	614
641388	3/0	418	0.480	80	100	0.854	749
641402	4/0	532	0.530	80	95	0.901	894
641405	250	608	0.605	95	95	1.011	1059
641409	350	893	0.670	95	95	1.110	1411
641412	500	1221	0.858	95	95	1.254	1898
560072	500	1221	0.858	95	95	1.284	1935

All dimensions are nominal and subject to normal manufacturing tolerances
◊ Cable marked with this symbol is a standard stock item
^ class H stranding

Table 2 – Electrical and Engineering Data

Cond. Size	DC Resistance @ 25°C	AC Resistance @ 90°C	Inductive Reactance	Max Pull Tension	Min Bending Radius	Allowable Ampacity In Air 60°C	Allowable Ampacity In Air 75°C	Allowable Ampacity In Air 90°C
AWG/ Kcmil	Ω/1000ft	Ω/1000ft	Ω/1000ft	lb	inch	Amp	Amp	Amp
8	0.679	0.818	0.052		1.7	60	70	80
6	0.435	0.524	0.051		2.0	80	95	105
4	0.274	0.330	0.048		2.2	105	125	140
2	0.172	0.207	0.045		2.4	140	170	190
2	0.172	0.207	0.045		2.6	140	170	190
1	0.137	0.164	0.046		2.8	165	195	220
1/0	0.109	0.131	0.044		3.0	195	230	260
2/0	0.087	0.104	0.043		3.2	225	265	300
3/0	0.069	0.083	0.042		3.4	260	310	350
4/0	0.055	0.067	0.041		3.6	300	360	405
250	0.047	0.057	0.041		5.0	340	405	455
350	0.033	0.042	0.040		5.5	420	505	570
500	0.023	0.031	0.039		6.2	515	620	700
500	0.023	0.031	0.039		6.4	515	620	700

* Inductive impedance is based on non-ferrous conduit with one diameter spacing.