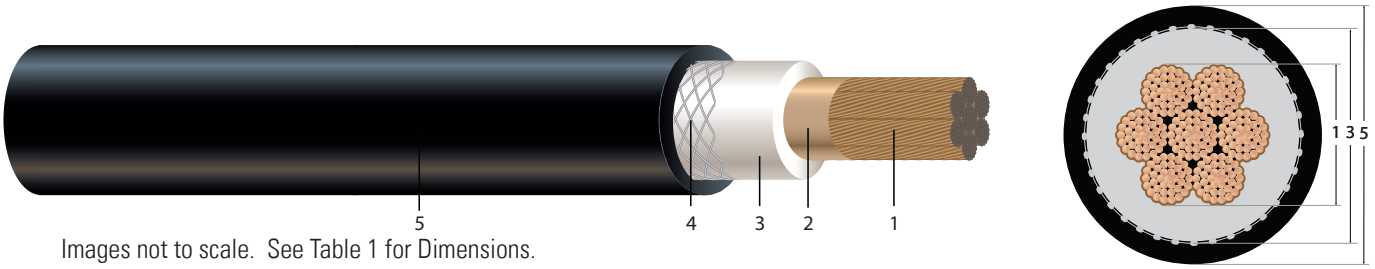
1/C CU 2000V EPDM/CPE Type W RHH/RHW-2 Industrial Grade Cable

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



Images 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 applied over the tapped core.
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.

SPECIFICATIONS:

- MSHA Approved
- ASTM B3 Soft or Annealed Copper Wire
- ASTM B172 Rope-Lay-Stranded Copper Conductors Having Bunch-Stranded Members, for Electrical Conductors
- UL 44 - Type RHH/RHW-2
- UL and cUL Listed
- Meets FT-1 and FT-5 Flame Tests
- Meets UL 1650
- RoSH Compliant

SAMPLE PRINT LEGEND:

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

Table 1 – Weights & Measurements

Stock Code	Phase Conductor			Insulation		Nominal OD (5)	Weight
	Size	Strands	Diameter (1)	Thickness	Diameter (3)		
	AWG	No.	inches	mils	inches	inches	lbs./MFT
570258	8	168	0.157	60	0.30	0.44	140
TBD	6	65	0.184	60	0.33	0.54	200
570251	4	427	0.240	60	0.39	0.60	280
558172	2	651	0.320	60	0.47	0.65	380
TBD	1	224	0.362	80	0.55	0.76	500
583936	1/0	259	0.385	80	0.58	0.79	560
558228	2/0	324	0.42	80	0.61	0.82	670
TBD	3/0	418	0.47	80	0.66	0.87	810
558229	4/0	2071	0.550	80	0.73	0.93	980
560070	250	608	0.605	95	0.83	1.04	1160
570249	350	855	0.67	95	0.89	1.10	1510
560072	500	1221	0.858	95	1.08	1.29	2080

All dimensions are nominal and subject to normal manufacturing tolerances

Table 2 – Electrical and Engineering Data

Stock Code	Conductor Size	Resistance		Minimum Bending Radius	Allowable Ampacities †		
		DC @ 25°C	AC @ 90°C		60°C	75°C	90°C
	AWG	Ω/MFT	Ω/MFT	inches	Amps	Amps	Amps
570258	8	0.65	0.82	3	40	48	55
TBD	6	0.42	0.52	3	55	66	75
570251	4	0.26	0.33	4	70	84	95
558172	2	0.17	0.21	4	96	115	130
TBD	1	0.13	0.16	5	107	128	145
583936	1/0	0.11	0.13	5	126	150	170
558228	2/0	0.08	0.10	5	144	172	195
TBD	3/0	0.07	0.08	5	167	199	225
558229	4/0	0.05	0.07	6	192	230	260
560070	250	0.04	0.06	6	215	257	290
570249	350	0.03	0.04	7	259	310	350
560072	500	0.02	0.03	8	319	381	430

† Ampacities are based on Table 310.15 (B)(16) of the NEC, 2014 Edition. Ampacities of insulated conductors rated up to and including 2000 Volts, based on ambient temperature of 30°C (86°F)