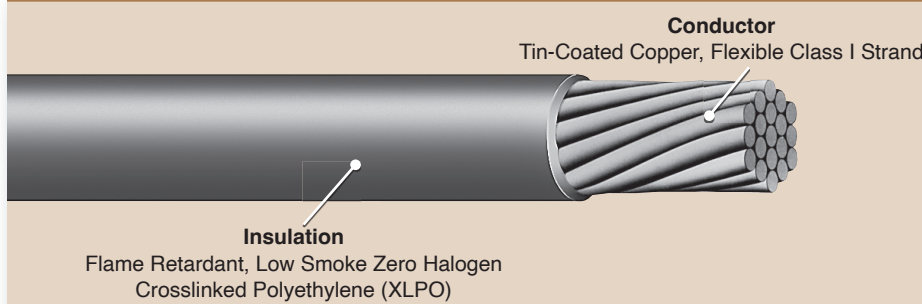


# Rock-Flex® ZH XHHW-2/RW90

## Single Conductor Power Cable

Industrial & OEM Solutions



90°C\*, 600 or 1000 V  
NEC Type XHHW-2  
UL Listed  
CEC Type RW90  
cUL Listed  
Low Smoke Zero Halogen

CE

### Features

- Low Smoke Zero Halogen design
- RoHS compliant insulation
- Thermoset insulation for enhanced thermal stability
- Specially formulated insulation for superior long term water resistance
- Superior flame retardance
- Excellent mechanical properties
- Tin-coated copper conductors for improved terminations and corrosion resistance
- Reduced size and weight for increased raceway capacity
- Easy strippability
- Low friction surface for reduced pulling tension
- Can be used in -40C to 125C applications

### Scope

Rock-Flex® ZH XHHW-2/RW90 is a one conductor, unjacketed, power cable utilizing flexible Class I conductor. Its tough thermoset construction allows for its use in demanding applications without additional jacketing protection. It is intended for low voltage power and lighting functions and may be installed in trays, ducts and conduits.

### Performance Standards

- Insulation in accordance with ICEA, UL, and CSA standards
- UL Listed Type XHHW-2 (UL 44) in accordance with NEC
- cUL Listed Type RW90 (CSA 22.2 No. 38) in accordance with CEC
- Passes IEEE 1202/FT4 vertical tray flame test and ICEA 70,000 BTU/hr vertical tray flame test (T-30-520)
- Passes UL VW-1\*\*
- Passes vertical flame test Type A as defined in ICEA S-95-658-1999 sec. 6.8.2
- UL and cUL Listed Type ST1 (limited smoke) per UL 1277, UL 1685, and UL 2556
- UL Listed for sunlight resistance (all colors - 8 AWG and larger; Black Only - 14-10 AWG)
- UL and cUL approved 90°C for both wet and dry locations
- UL and cUL Listed as gasoline and oil resistant
- Rated for CT Use 1/0 AWG and larger
- CSA certified CL 1251 per C22.2. No. 127 and AWM I A/B per C22.2 No.210

### Construction

**Conductor:** Annealed, tin-coated copper, flexible Class I strand per ASTM B8 & B33

**Insulation:** Flame retardant Low Smoke Zero Halogen crosslinked polyolefin

**Separator Tape:** Helically applied polyester (where required)

**Color:** Black (also available in pigmented colors or colored stripes)

\*Rated 90°C for normal operation in wet and dry locations, 130°C for emergency overload conditions, and 250°C for short circuit conditions.

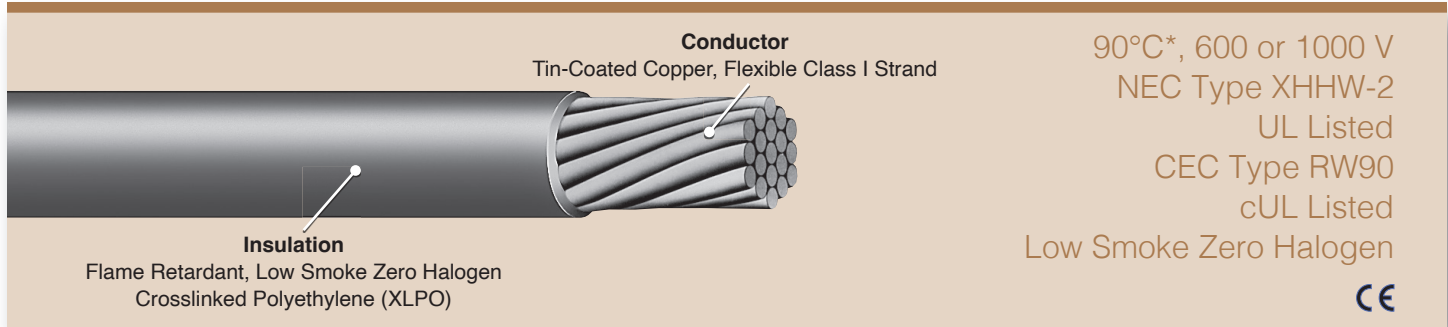
\*\*#10 AWG and larger

 Marmon Industrial  
Energy & Infrastructure

Made in the USA

  
Marmon Electrical  
A Berkshire Hathaway Company

# Rock-Flex® ZH XHHW-2/RW90 Single Conductor Power Cable



Product Code	Conductor Size	Number of Strands	Conductor OD		Insulation Thickness		Nominal Overall Diameter		Approximate Net Weight (lb/1000ft)	Ampacity*
			(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)		
RTZHF-14-1KV	14 AWG	19	0.070	1.778	0.030	0.76	0.132	3.35	19	35
RTZHF-12-1KV	12 AWG	19	0.088	2.236	0.030	0.76	0.150	3.81	28	40
RTZHF-10-1KV	10 AWG	27	0.116	2.95	0.030	0.76	0.178	4.52	45	55
RTZHF-8-1KV	8 AWG	37	0.138	3.51	0.045	1.14	0.232	5.89	63	80
RTZHF-6-1KV	6 AWG	61	0.185	4.70	0.045	1.14	0.284	7.21	103	105
RTZHF-4-1KV	4 AWG	105	0.26	6.60	0.045	1.14	0.356	9.04	169	140
RTZHF-3-1KV	3 AWG	126	0.28	7.11	0.045	1.14	0.381	9.68	199	165
RTZHF-2-1KV	2 AWG	150	0.315	8.00	0.045	1.14	0.411	10.44	229	190
RTZHF-1-1KV	1 AWG	225	0.385	9.78	0.055	1.40	0.501	12.73	346	220
RTZHF-1/0-1KV	1/0 AWG	275	0.410	10.41	0.055	1.40	0.541	13.74	413	260
RTZHF-2/0-1KV	2/0 AWG	325	0.440	11.18	0.055	1.40	0.556	14.12	460	300
RTZHF-3/0-1KV	3/0 AWG	450	0.545	13.84	0.055	1.40	0.661	16.79	660	350
RTZHF-4/0-1KV	4/0 AWG	550	0.570	14.48	0.055	1.40	0.686	17.42	762	405
RTZHF-250-1KV	250 kcmil	627	0.615	15.62	0.065	1.65	0.748	19.00	918	455
RTZHF-262-1KV	262 kcmil	646	0.627	15.93	0.065	1.65	0.761	19.32	901	460
RTZHF-350-1KV	350 kcmil	888	0.752	19.10	0.065	1.65	0.886	22.50	1210	570
RTZHF-500-1KV	500 kcmil	1221	0.880	22.35	0.065	1.65	1.013	25.73	1640	700
RTZHF-600-1KV	600 kcmil	1480	0.970	24.64	0.080	2.03	1.134	28.80	2049	780
RTZHF-646-1KV	646 kcmil	1591	0.987	25.07	0.080	2.03	1.151	29.23	2146	815
RTZHF-750-1KV	750 kcmil	1850	1.072	27.23	0.080	2.03	1.236	31.39	2481	885

\* Ampacities are based on NEC NFPA 70-2023 Table 310.17 at 30°C Ambient in Free Air.

NOTE: See NEC NFPA 70 -2023 Table 310.16 for Ampacities for not more than Three Current-Carrying Conductors in Raceway, Cable, or Earth (Direct Buried) at 30°C Ambient)