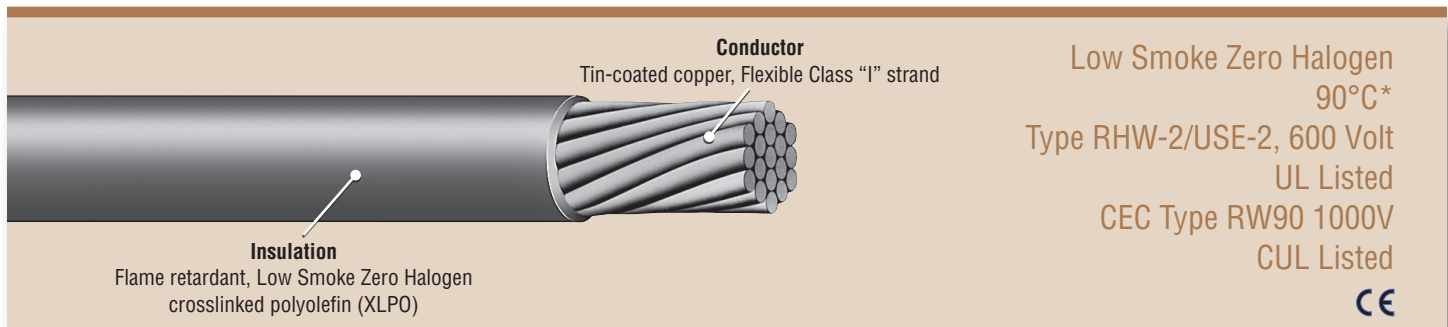


# Rock-Tuff® ZHF RHW-2/USE-2/RW90 Industrial Power Cable

**RSCC Industrial Cable**  
www.r-scc.com



## 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 — no separator tape over conductor
- Low friction surface for reduced pulling tension

## Performance Standards

- Insulation in accordance with ICEA, UL, and CSA standards
- UL listed type RHW-2 (UL 44) in accordance with NEC Article 310
- UL Listed Type USE-2 (UL 854) in accordance with NEC Article 338
- 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) UL 1685
- UL Listed for sunlight resistance (Black Only)
- 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

## Construction

**Conductor:** Annealed, tin-coated copper, Flexible Class "I" strand per ASTM B-8 & B-33

**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.

## Scope

Rock-Tuff® ZHF RHW-2/USE-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.

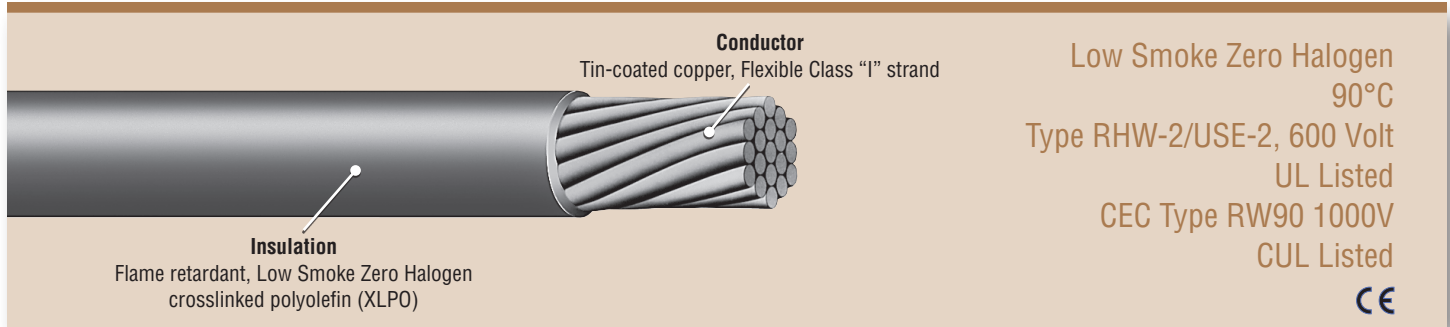


**Made in the USA**



**Marmon Electrical**  
A Berkshire Hathaway Company

# Rock-Tuff® ZHF RHW-2/USE-2/RW90 Industrial Power Cable



Product Code	Conductor Size	Number of Strands	Conductor OD		Insulation Thickness		Nominal Overall Diameter		Approximate Net Weight (Lbs/M')	Ampacity*
			(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)		
RTZHF-10-1KV	10 AWG	27	0.116	2.95	0.045	1.14	0.208	5.3	49	55
RTZHF-8-1KV	8 AWG	37	0.138	3.51	0.060	1.52	0.261	6.6	71	80
RTZHF-6-1KV	6 AWG	61	0.185	4.70	0.060	1.52	0.308	7.8	112	105
RTZHF-4-1KV	4 AWG	105	0.26	6.60	0.060	1.52	0.383	9.7	181	140
RTZHF-3-1KV	3 AWG	126	0.28	7.11	0.060	1.52	0.403	10.2	211	165
RTZHF-2-1KV	2 AWG	150	0.315	8.00	0.060	1.52	0.438	11.1	242	190
RTZHF-1-1KV	1 AWG	225	0.385	9.78	0.080	2.03	0.544	13.8	377	220
RTZHF-1/0-1KV	1/0 AWG	275	0.41	10.41	0.080	2.03	0.574	14.6	443	260
RTZHF-2/0-1KV	2/0 AWG	325	0.44	11.18	0.080	2.03	0.604	15.3	491	300
RTZHF-3/0-1KV	3/0 AWG	450	0.545	13.84	0.080	2.03	0.709	18.0	704	350
RTZHF-4/0-1KV	4/0 AWG	550	0.57	14.48	0.080	2.03	0.734	18.6	800	405
RTZHF-250-1KV	250 KCMIL	627	0.615	15.62	0.095	2.41	0.809	20.5	967	455
RTZHF-350-1KV	350 KCMIL	888	0.752	19.10	0.095	2.41	0.947	24.1	1267	570
RTZHF-500-1KV	500 KCMIL	1221	0.880	22.35	0.095	2.41	1.074	27.3	1705	700
RTZHF-600-1KV	600 KCMIL	1480	0.970	24.64	0.110	2.79	1.196	30.4	2122	780
RTZHF-750-1KV	750 KCMIL	1850	1.072	27.23	0.110	2.79	1.300	33.0	2560	885

\* Ampacities are based on NEC NFPA 70 -2020 Table 310.17 at 30°C Ambient in Free Air.

NOTE: See NEC NFPA 70 -2020 Table 310.16 for Ampacities for not more than Three Current-Carrying Conductors in Raceway, Cable, or Earth (Direct Buried) at 30°C Ambient



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