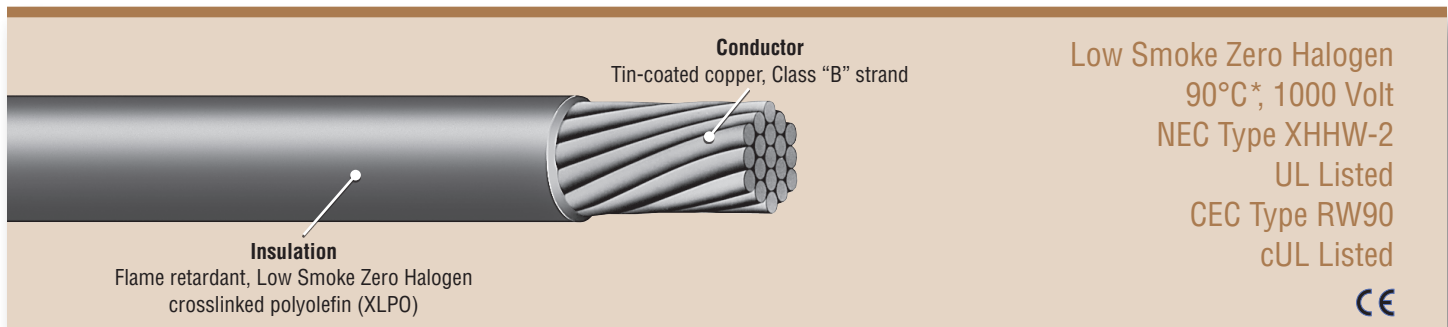


# Rock-Tuff® ZH XHHW-2/RW90 Industrial Power Cable

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



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



## 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

## Scope

Rock-Tuff® ZH XHHW-2/RW90 is a one conductor, unjacketed, power cable. 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 the NEC
- cUL listed type RW90 (CSA 22.2 No. 38) in accordance with the 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 as IEEE 1202/FT4-ST1 (limited smoke) per UL 2556/UL 1685 as specified in NFPA 130-2020
- 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
- UL and cUL Listed for -40°C
- Rated for CT Use 1/0 AWG and larger

## Construction

**Conductor:** Annealed, tin-coated copper, Class "B" 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.

\*\*#10 AWG and larger

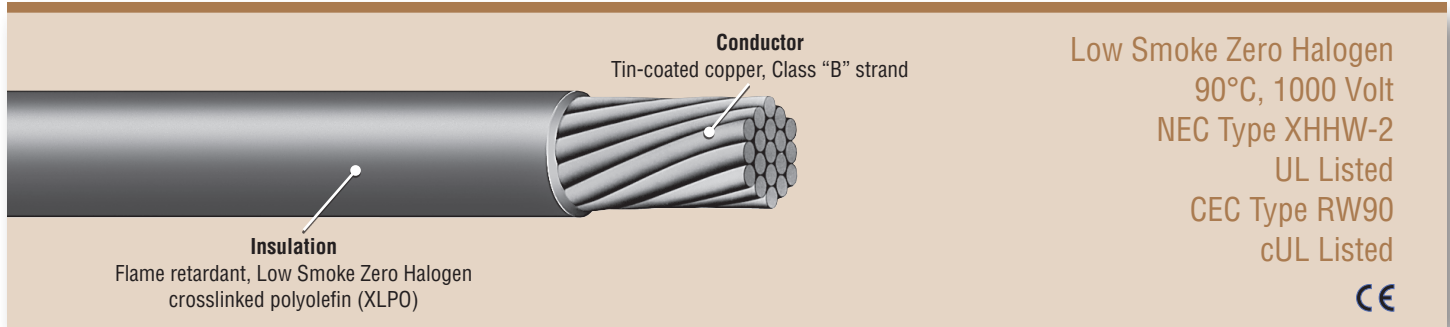


**Made in the USA**



**Marmon Electrical**  
A Berkshire Hathaway Company

# Rock-Tuff® ZH XHHW-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)		
RTZH-14-1KV	14 AWG	7	0.071	1.80	0.030	0.76	0.133	3.38	19	35
RTZH-12-1KV	12 AWG	7	0.09	2.29	0.030	0.76	0.151	3.84	28	40
RTZH-10-1KV	10 AWG	7	0.113	2.87	0.030	0.76	0.175	4.45	42	55
RTZH-8-1KV	8 AWG	7	0.142	3.61	0.045	1.14	0.236	5.99	69	80
RTZH-6-1KV	6 AWG	7	0.178	4.52	0.045	1.14	0.272	6.91	103	105
RTZH-4-1KV	4 AWG	7	0.227	5.77	0.045	1.14	0.319	8.10	155	140
RTZH-3-1KV	3 AWG	7	0.252	6.40	0.045	1.14	0.346	8.79	194	165
RTZH-2-1KV	2 AWG	7	0.283	7.19	0.045	1.14	0.377	9.58	238	190
RTZH-1-1KV	1 AWG	19	0.322	8.18	0.055	1.40	0.436	11.07	306	220
RTZH-1/0-1KV	1/0 AWG	19	0.362	9.19	0.055	1.40	0.476	12.09	375	260
RTZH-2/0-1KV	2/0 AWG	19	0.405	10.29	0.055	1.40	0.519	13.18	466	300
RTZH-3/0-1KV	3/0 AWG	19	0.456	11.58	0.055	1.40	0.570	14.48	612	350
RTZH-4/0-1KV	4/0 AWG	19	0.512	13.00	0.055	1.40	0.626	15.90	722	405
RTZH-250-1KV	250 KCMIL	37	0.558	14.17	0.065	1.65	0.692	17.58	859	455
RTZH-350-1KV	350 KCMIL	37	0.661	16.79	0.065	1.65	0.795	20.19	1183	570
RTZH-400-1KV	400 KCMIL	37	0.708	17.98	0.065	1.65	0.842	21.39	1345	615
RTZH-500-1KV	500 KCMIL	37	0.789	20.04	0.065	1.65	0.923	23.44	1664	700
RTZH-600-1KV	600 KCMIL	61	0.866	22.00	0.080	2.03	1.030	26.16	2017	780
RTZH-750-1KV	750 KCMIL	61	0.968	24.59	0.080	2.03	1.136	28.85	2503	885

\* Ampacities are based on NEC NFPA 70 -2017 Table 310.15(B)(17) at 30°C Ambient in Free Air.

NOTE: See NEC NFPA 70 -2017 Table 310.15(B)(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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