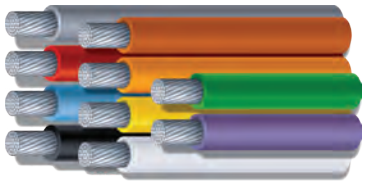
Aluminum XHHW-2 600V/1000V RW90 600V

XLP Insulation



APPLICATION:

Type XHHW-2/RW90 wires are primarily used in conduit or recognized raceways for services, feeders, and branch circuit wiring as specified in the National Electrical Code or the Canadian Electrical Code. XHHW-2/RW90 conductors may be used in wet or dry locations at temperatures not to exceed 90°C. Voltage rating for XHHW-2 conductors is 600 or 1000 volts, or 600 volts for RW90. Cable tray rated for 1/0 AWG and larger available upon request.

CONDUCTORS:

- Compact bare AA-8000 series aluminum alloy, Class B stranded per ASTM

INSULATION:

- Abrasion, heat and moisture resistant cross-linked polyethylene insulation (XLP), low coefficient of friction, “slippery” or “slick” material. It is available in ten solid colors.

STANDARDS:

- UL 44 / CSA C22.2 No. 38 Thermoset-Insulated Wires and Cables
- UL 1685 Vertical-Tray Fire-Propagation and Smoke-Release Test for Electrical and Optical-Fiber Cables
- ANSI / NEMA WC-70 / ICEA S-95-658
- ASTM B800, B801
- Federal Specification A-A-59544A
- NFPA 70 National Electrical Code
- CSA C22.1 Canadian Electrical Code
- Sunlight resistant

Part Number	Conductor Size	Conductor Diameter		Insulation Thickness		Overall Diameter		Net Weight	Ampacity** at 75°C	Ampacity** at 90°C
	AWG/kcmil	inches	mm	inches	mm	inches	mm	lbs/kft		
8-01XHHW-2-ALUM	8	0.134	3.40	0.045	1.14	0.227	5.77	30	40	45
6-01XHHW-2-ALUM	6	0.169	4.29	0.045	1.14	0.262	6.65	42	50	55
4-01XHHW-2-ALUM	4	0.213	5.41	0.045	1.14	0.306	7.77	58	65	75
3-01XHHW-2-ALUM	3	0.238	6.05	0.045	1.14	0.330	8.38	72	75	85
2-01XHHW-2-ALUM	2	0.268	6.81	0.045	1.14	0.361	9.17	86	90	100
1-01XHHW-2-ALUM	1	0.299	7.59	0.055	1.40	0.412	10.46	110	100	115
1/0-01XHHW-2-ALUM	1/0	0.336	8.53	0.055	1.40	0.449	11.40	134	120	135
2/0-01XHHW-2-ALUM	2/0	0.376	9.55	0.055	1.40	0.489	12.42	163	135	150
3/0-01XHHW-2-ALUM	3/0	0.423	10.74	0.055	1.40	0.536	13.61	200	155	175
4/0-01XHHW-2-ALUM	4/0	0.475	12.07	0.055	1.40	0.588	14.94	247	180	205
250-01XHHW-2-ALUM	250	0.520	13.21	0.065	1.65	0.653	16.59	296	205	230
300-01XHHW-2-ALUM	300	0.570	14.48	0.065	1.65	0.703	17.86	359	230	260
350-01XHHW-2-ALUM	350	0.616	15.65	0.065	1.65	0.749	19.02	401	250	280
400-01XHHW-2-ALUM	400	0.659	16.74	0.065	1.65	0.792	20.12	453	270	305
500-01XHHW-2-ALUM	500	0.736	18.69	0.065	1.65	0.869	22.07	556	310	350
600-01XHHW-2-ALUM	600	0.813	20.65	0.080	2.03	0.979	24.87	679	340	385
700-01XHHW-2-ALUM	700	0.877	22.28	0.080	2.03	1.040	26.42	782	375	425
750-01XHHW-2-ALUM	750	0.908	23.06	0.080	2.03	1.071	27.20	833	385	435
800-01XHHW-2-ALUM	800	0.938	23.83	0.080	2.03	1.110	28.19	883	395	445
900-01XHHW-2-ALUM	900	0.999	25.37	0.080	2.03	1.169	29.69	983	425	480
1000-01XHHW-2-ALUM	1000	1.060	26.92	0.080	2.03	1.223	31.06	1090	445	500

All values are nominal and subject to correction.
***Ampacities for not more than three conductors in raceway or cable or earth (directly buried), based on ambient temperature of 30°C per Table 310.16 of the 2020 National Electrical Code.*

1-800-945-5542
www.PriorityWire.com

©2025 Priority Wire & Cable
05-2025