



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

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APPLICATION

Type XHHW-2/RW90 wires are used in conduits or raceways for service, feeder, and branch circuits. They are suitable for wet and dry locations up to 90°C. XHHW-2 is rated for 600V/1000V, while RW90 is rated for 600V. Cable tray rating for 1/0 AWG and above is available on request.

CONDUCTORS

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

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

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.



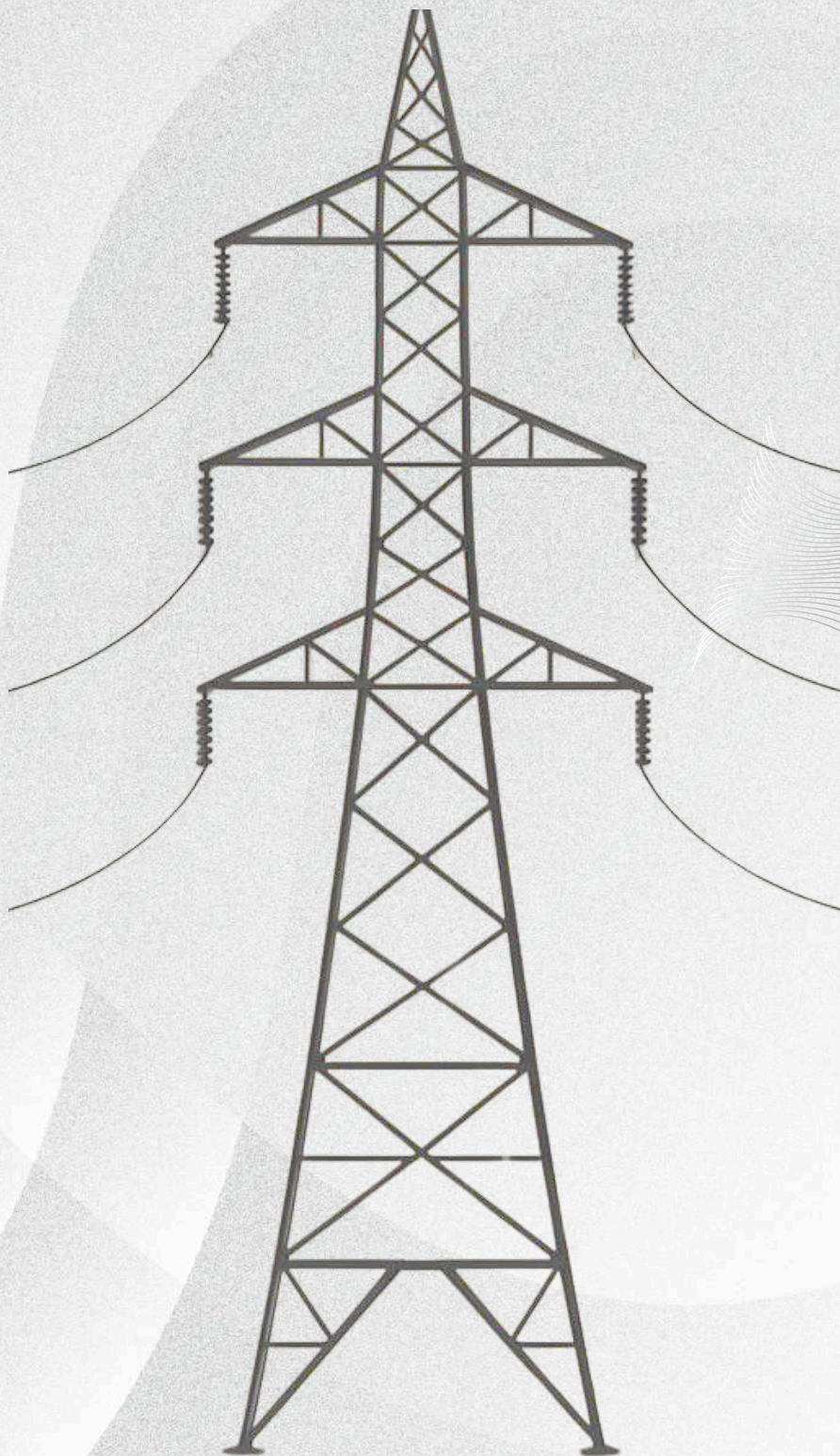
Part Number	Conductor Size	Conductor Diameter		Insulation Thickness		Overall Diameter		Net Weight	Ampacity ** at75°C	Ampacity ** at90°C
	AWG/ kcmil	inches	mm	inches	mm	inches	mm	lbs/kft		
8-01XHHW-2-ALUM	8	0.134	3.4	0.045	1.14	0.227	5.77	30	40	45
6-01XHHW-2-ALUM	6	0.169	4.29	0.045	1.14	0.262	6.65	42	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	0.33	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	1.4	0.412	10.46	110	100	115
1/0-01XHHW-2-ALUM	1/0	0.336	8.53	0.055	1.4	0.449	11.4	134	120	135
2/0-01XHHW-2-ALUM	2/0	0.376	9.55	0.055	1.4	0.489	12.42	163	135	150
3/0-01XHHW-2-ALUM	3/0	0.423	10.74	0.055	1.4	0.536	13.61	200	155	175
4/0-01XHHW-2-ALUM	4/0	0.475	12.07	0.055	1.4	0.588	14.94	247	180	205
250-01XHHW-2-ALUM	250	0.52	13.21	0.065	1.65	0.653	16.59	296	205	230

Part Number	Conductor Size	Conductor Diameter		Insulation Thickness		Overall Diameter		Net Weight	Ampacity ** at75°C	Ampacity ** at90°C
	AWG/ kcmil	inches	mm	inches	mm	inches	mm	lbs/kft		
300-01XHHW-2-ALUM	300	0.57	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	0.08	2.03	0.979	24.87	679	340	385
700-01XHHW-2-ALUM	700	0.877	22.28	0.08	2.03	1.04	26.42	782	375	425
750-01XHHW-2-ALUM	750	0.908	23.06	0.08	2.03	1.071	27.2	833	385	435
800-01XHHW-2-ALUM	800	0.938	23.83	0.08	2.03	1.11	28.19	883	395	445
900-01XHHW-2-ALUM	900	0.999	25.37	0.08	2.03	1.169	29.69	983	425	480
1000-01XHHW-2-ALUM	1000	1.06	26.92	0.08	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



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info@oswalcables.com



www.oswalcables.com



Head Office
G-8, Janpath, Shyam Nagar
Jaipur, Rajasthan – 302019 India

