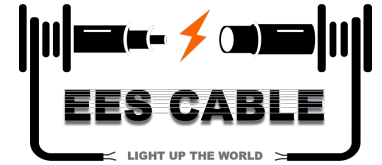


# Aluminum XHHW-2 600V, XLPE Insulation XHHW-2



## APPLICATION:

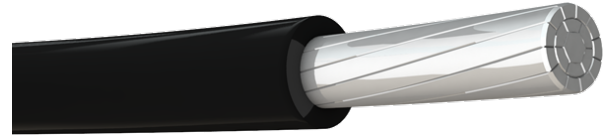
Type XHHW-2 or RW90 wires are primarily use for power distribution; and are sometimes referred to as feeders. They may be used in wet or dry locations with conductor temperatures not exceeding 90°C and may be used in conduit and recognized raceways as specified in the National Electrical Code. Voltage rating for XHHW-2 or RW90 conductors is 600V.

## CONDUCTORS:

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

## INSULATION:

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

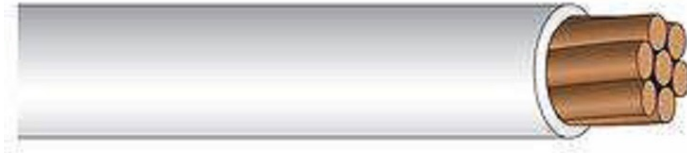
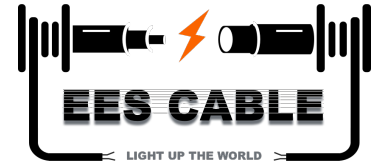


## STANDARDS:

- UL 44 / CSA C22.2 No. 38
- ANSI / NEMA WC-70 / ICEAS-95-658
- ASTM B800, B801
- Sunlight resistant on sizes 6 AWG and larger

PartNumber	Conductor Size	Stranding	Conductor Diameter		Insulation Thickness		Overall Diameter		Net Weight	Ampacity* * at 90°C
	AWG/KCM		inches	mm	inches	mm	inches	mm	lbs/1000'	
8-01XHHW-2-ALUM	8	7	0.134	3.40	0.045	1.14	0.227	5.77	30	45
6-01XHHW-2-ALUM	6	7	0.169	4.29	0.045	1.14	0.262	6.65	42	60
4-01XHHW-2-ALUM	4	7	0.213	5.41	0.045	1.14	0.306	7.77	58	75
3-01XHHW-2-ALUM	3	7	0.238	6.05	0.045	1.14	0.330	8.38	72	85
2-01XHHW-2-ALUM	2	7	0.268	6.81	0.045	1.14	0.361	9.17	86	100
1-01XHHW-2-ALUM	1	18	0.299	7.59	0.055	1.40	0.412	10.46	110	115
1/0-01XHHW-2-ALUM	1/0	18	0.336	8.53	0.055	1.40	0.449	11.40	134	135
2/0-01XHHW-2-ALUM	2/0	18	0.376	9.55	0.055	1.40	0.489	12.42	163	150
3/0-01XHHW-2-ALUM	3/0	18	0.423	10.74	0.055	1.40	0.536	13.61	200	175
4/0-01XHHW-2-ALUM	4/0	18	0.475	12.07	0.055	1.40	0.588	14.94	247	205
250-01XHHW-2-ALUM	250	35	0.520	13.21	0.065	1.65	0.653	16.59	296	230
300-01XHHW-2-ALUM	300	35	0.570	14.48	0.065	1.65	0.703	17.86	359	255
350-01XHHW-2-ALUM	350	35	0.616	15.65	0.065	1.65	0.749	19.02	401	280
400-01XHHW-2-ALUM	400	35	0.659	16.74	0.065	1.65	0.792	20.12	453	305
500-01XHHW-2-ALUM	500	35	0.736	18.69	0.065	1.65	0.869	22.07	556	350
600-01XHHW-2-ALUM	600	58	0.813	20.65	0.080	2.03	0.979	24.87	679	385
700-01XHHW-2-ALUM	700	58	0.877	22.28	0.080	2.03	1.040	26.42	782	420
750-01XHHW-2-ALUM	750	58	0.908	23.06	0.080	2.03	1.071	27.20	833	435
900-01XHHW-2-ALUM	900	58	0.999	25.37	0.080	2.03	1.169	29.69	983	480
1000-01XHHW-2-ALUM	1000	58	1.060	26.92	0.080	2.03	1.223	31.06	1090	500

# Copper XHHW-2 600V XLPE Insulation XHHW-2



## Copper XHHW-2 600V XLPE Insulation

PartNumber	Size (AWG/kcmil)	No. of Strands	Insulation Thickness (mils)	Overall Diameter (inches)	Weight lbs./kft	Ampacity* (amps)
14STRXHHW	14	7	30	0.140	18	25**
12STRXHHW	12	7	30	0.160	27	30**
10STRXHHW	10	7	30	0.180	39	40**
8STRXHHW	8	7	45	0.240	64	55
6STRXHHW	6	7	45	0.280	97	75
4XHHW	4	7	45	0.320	149	95
2XHHW	2	7	45	0.380	230	130
1XHHW	1	19	55	0.440	291	145
1/0XHHW	1/0	19	55	0.480	366	170
2/0XHHW	2/0	19	55	0.520	456	195
3/0XHHW	3/0	19	55	0.580	569	225
4/0XHHW	4/0	19	55	0.630	711	260
250XHHW	250	37	65	0.710	835	290
350XHHW	350	37	65	0.810	1,155	350
500XHHW	500	37	65	0.930	1,631	430
750XHHW	750	61	80	1.150	2,441	520
1000XHHW	1000	61	80	1.320	3,233	615

**Application:** XHHW-2 cables are primarily used for power distribution. The cables may be used in wet or dry locations, with ambient temperatures not exceeding 90°C. Voltage rating for XHHW-2 cable is 600V.

**Conductors:** Compressed soft drawn bare copper with class B stranding per ASTM Standards.

**Insulation:** Abrasion, heat, moisture, and flame resistant cross-linked polyethylene (XLPE) insulation.

**Standards:**  
 UL 44  
 Requirements of the National Electrical Code  
 ASTM standards B3, B8, B787  
 ICEA S-95-658/NEMA WC-70  
 Federal Specification A-A-59544  
 Flame Rated: CT Use (1/0 AWG and larger available upon request)  
 Temperature Rated at 90°C Wet/Dry, Cold Temperature Rated at -40°C  
 Sunlight Resistant, Gasoline and Oil Resistant II  
 RoHS Compliant