

Copper XHHW-2 600V/1000V XLPE Insulation



APPLICATION:

XHHW-2 cables are primarily used for power distribution in conduit or other recognized raceways for services, feeders, and branch circuit wiring as specified in the National Electrical Code. The cable is suitable for use in wet or dry locations at temperatures not exceeding 90°C and is dual-rated for 600V or 1000V. 1/0AWG and larger are approved for cable tray use.

CONDUCTORS:

- Soft drawn bare copper in compressed stranding
- Class C stranding available upon request

INSULATION:

- Abrasion, heat, moisture, and flame resistant cross-linked polyethylene (XLPE) insulation in various colors
- Low coefficient of friction, “slippery” or “slick” material available upon request

STANDARDS:

- UL 44 Thermoset-Insulated Wires & Cables
- UL 1685 Vertical-Tray Fire-Propagation and Smoke-Release Test
- ASTM B3, B8
- Federal Specification A-A-59544
- ANSI/ICEA S-95-658/NEMA WC-70
- NFPA 70 National Electrical Code
- Sunlight Resistant
- XLPE -40°C FT1
- “FOR CT USE” on 1/0 AWG and large

Part Number	Conductor Size	No. of Strands	Conductor Diameter	Insulation Thickness	Overall Diameter	Net Weight	Ampacity* @ 90°C
	AWG/kcmil		inches	inches	inches	lbs/kft	amps
14STRXHHW	14	7	0.071	0.030	0.13	17	25**
12STRXHHW	12	7	0.089	0.030	0.15	26	30**
10STRXHHW	10	7	0.113	0.030	0.18	38	40**
8STRXHHW	8	7	0.142	0.045	0.24	65	55
6STRXHHW	6	7	0.178	0.045	0.28	98	75
4STRXHHW	4	7	0.225	0.045	0.33	152	95
2STRXHHW	2	7	0.283	0.045	0.39	233	130
1STRXHHW	1	19	0.322	0.055	0.44	293	145
1/0STRXHHW	1/0	19	0.362	0.055	0.48	364	170
2/0STRXHHW	2/0	19	0.405	0.055	0.53	453	195
3/0STRXHHW	3/0	19	0.456	0.055	0.58	565	225
4/0STRXHHW	4/0	19	0.512	0.055	0.63	706	260
250STRXHHW	250	37	0.558	0.065	0.70	837	290
300STRXHHW	300	37	0.611	0.065	0.75	1,004	320
350STRXHHW	350	37	0.661	0.065	0.80	1,157	350



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	AWG/kcmil		inches	inches	inches		amps
400STRXHHW	400	37	0.706	0.065	0.85	1,322	380
400STRXHHW61	400	61	0.706	0.065	0.85	1,322	380
500STRXHHW	500	37	0.789	0.065	0.93	1,634	430
600STRXHHW	600	61	0.866	0.080	1.04	1,972	475
600STRXHHW91	600	91	0.866	0.080	1.04	1,972	475
750STRXHHW	750	61	0.968	0.080	1.15	2,448	535

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 National Electrical Code.

**Overcurrent protection shall not exceed 15 amps for #14 AWG, 20 amps for #12 AWG, and 30 amps for #10 AWG per NEC.



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