



Specification Sheet

BWC Part Number #: BWC-500STRXHHW

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 to exceed 90°C and is dual-rated for 600V or 1000V. Conductors sized 1/0 AWG and larger are approved for cable tray use.

Construction

- Conductor: The conductor is made of soft drawn bare copper in a compressed stranding configuration. Class C stranding is also available upon request.
- Insulation: The insulation is an abrasion, heat, moisture, and flame-resistant cross-linked polyethylene (XLPE) available in various colors. A low coefficient of friction, "slippery," or "slick" material is 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
- Rated for -40°C and FT1 flame test
- Marked "FOR CT USE" on 1/0 AWG and larger





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Part Number	Conductor Size AWG/kcmil	No. of Strands	Conductor Diameter (inches)	Insulation Thickness (inches)	Overall Diameter (inches)	Net Weight (lbs/kft)	Ampacity at 90°C (amps)
BWC-14STRXHHW	14	7	.071	.030	.13	17	25**
BWC-12STRXHHW	12	7	.089	.030	.15	26	30**
BWC-10STRXHHW	10	7	.113	.030	.18	38	40**
BWC-8STRXHHW	8	7	.142	.045	.24	65	55
BWC-6STRXHHW	6	7	.178	.045	.28	98	75
BWC-4STRXHHW	4	7	.225	.045	.33	152	95
BWC-2STRXHHW	2	7	.283	.045	.39	233	130
BWC-1STRXHHW	1	19	.322	.055	.44	293	145
BWC-1/0STRXHHW	1/0	19	.362	.055	.48	364	170
BWC-2/0STRXHHW	2/0	19	.405	.055	.53	453	195
BWC-3/0STRXHHW	3/0	19	.456	.055	.58	565	225
BWC-4/0STRXHHW	4/0	19	.512	.055	.63	706	260
BWC-250STRXHHW	250	37	.558	.065	.70	837	290
BWC-300STRXHHW	300	37	.611	.065	.75	1004	320
BWC-350STRXHHW	350	37	.661	.065	.80	1157	350
BWC-400STRXHHW	400	37	.706	.065	.85	1322	380
BWC-400STRXHHW61	400	61	.706	.065	.85	1322	380
BWC-500STRXHHW	500	37	.789	.065	.93	1634	430
BWC-600STRXHHW	600	61	.866	.080	1.04	1972	475
BWC-600STRXHHW91	600	91	.866	.080	1.04	1972	475
BWC-750STRXHHW	750	61	.968	.080	1.15	2448	535

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- Table data sourced from. All values are nominal and subject to correction.
- *Ampacities are for not more than three conductors in a raceway, cable, or earth (directly buried), based on an 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.



ALL SPECIFIED PARAMETERS WITHOUT A TOLERANCE ARE NOMINAL AND SUBJECT TO VERIFICATION. BEST WIRE IS NOT RESPONSIBLE FOR UNKNOWN PERFORMANCE ATTRIBUTES THAT WERE NOT MADE KNOWN TO BEST WIRE AT THE TIME OF DESIGN.

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