

# COPPER BUILDING WIRE

## XHHW-2

**600 Volt. Copper Conductor. Cross-Linked Polyethylene (XLP) Insulation.  
High-Heat and Moisture Resistant.**



### APPLICATIONS

Type XHHW-2 conductors are primarily used in conduit or other recognized raceways for services, feeders, and branch circuit wiring, as specified in the National Electrical Code<sup>1</sup>. XHHW-2 conductors may be used in wet or dry locations at temperatures not to exceed 90°C. Voltage rating for XHHW-2 conductors is 600 volts.

### CONSTRUCTION

Type XHHW-2 copper conductors are annealed (soft) copper. Insulation is an abrasion, moisture, and heat resistant cross-linked polyethylene (XLP). AWG sizes 14, 12, and 10 available in black, white, red, blue, yellow, green, orange, brown, purple, and grey.

### SPECIFICATIONS

Type XHHW-2 conductors meet or exceed UL standard 44, Federal Specification J-C-30B, and requirements of the National Electrical Code. CT Use (1/0 and larger) Sunlight Resistant.

PWC Catalog #	Conductor		Insulation Thickness (MILS)	Nominal O.D.	Approx. Net Weight Per 1000' (Lbs.)	Allowable Ampacities <sup>+</sup>		
	Size (AWG or KCMIL)	Number of Strands				60°C	75°C	90°C
06-0149	14	7	30	.131	18	15	15	15
06-0151	12	7	30	.149	26	20	20	20
06-0153	10	7	30	.172	40	30	30	30
06-0155	8	7	45	.234	66	40	50	55
06-0157	6	7	45	.271	100	55	65	75
06-0159	4	7	45	.318	150	70	85	95
06-0161	3	7	45	.345	186	85	100	110
06-0163	2	7	45	.376	231	95	115	130
06-0165	1	19	55	.434	292	110	130	150
06-0167	1/0	19	55	.473	363	125	150	170
06-0169	2/0	19	55	.517	452	145	175	195
06-0171	3/0	19	55	.567	565	165	200	225
06-0173	4/0	19	55	.623	706	195	230	260
06-0175	250	37	65	.691	835	215	255	290
06-0177	300	37	65	.744	995	240	285	320
06-0179	350	37	65	.793	1155	260	310	350
06-0181	400	37	65	.839	1314	280	335	380
06-0183	500	37	65	.922	1632	320	380	430
06-0185	600	61	80	1.029	1966	355	420	475
06-0187	700	61	80	1.098	2283	385	460	520
06-0189	750	61	80	1.131	2441	400	475	535
06-0191	1000	61	80	1.281	3231	455	545	615

<sup>1</sup> 1999 Edition.

<sup>+</sup> Allowable Ampacities:

Allowable ampacities shown are for general use as specified by the National Electrical Code, 1999 Edition, section 310-15.

60°C - When terminated to equipment for circuits rated 100 amperes or less or marked for #14 through #1 conductors.

75°C - When terminated to equipment for circuits rated over 100 amperes or marked for conductors larger than #1.

90°C - Wet or dry locations.

> Information on this sheet is subject to change without notice. All diameters are nominal values.

All diameters and weights are subject to normal manufacturing tolerances.

### RECOMMENDED SAMPLE SPECIFICATIONS:

Conductors shall be UL-listed Type XHHW-2, suitable for operation at 600 volts or less in wet or dry locations, at temperatures not to exceed 90°C.

### CABLE TRAY RATED RECOMMENDED SAMPLE SPECIFICATIONS:

Conductor shall be UL-listed Type XHHW-2 rated for cable tray use and sunlight resistance. Also, suitable for operation at 600 volts or less in wet or dry locations, at temperatures not to exceed 90°C.



PITTSBURGH WIRE & CABLE INC.