

XHHW-2 / RW90 COPPER CONDUCTOR – 40C

STANDARDS

Underwriter’s Laboratories UL 44 • Canadian Standard C22.2 No. 38 • Insulated Cable Engineers Association ICEA S-95-658 • Institute of Electrical and Electronics Engineers IEEE 1202 • Federal Specification A-A-59544 • NEMA Publication No. WC-70 • Gas and Oil Resistant II (UL)

SIZE (AWG)	NUMBER OF STRANDS	INSULATION THICKNESS IN MILS XLP	APPROX. O.D. INCHES	ALLOWABLE AMPACITIES			APPROX. WEIGHT PER 1000 FT. IN POUNDS
				60C	75C	90C	
14	7	.030	.131	15	15	15	18
12	7	.030	.149	20	20	20	25
10	7	.030	.172	30	30	30	40
8	7	.045	.236	40	50	55	67
6	7	.045	.274	55	65	75	100
4	7	.045	.322	70	85	95	150
3	7	.045	.350	85	100	110	205
2	7	.045	.382	95	115	130	230
1	19	.055	.431	110	130	150	291
1/0	19	.055	.470	125	150	170	362
2/0	19	.055	.514	145	175	195	445
3/0	19	.055	.564	165	200	225	564
4/0	19	.055	.620	195	230	260	707
250	37	.065	.672	215	255	290	836
300	37	.065	.724	240	285	320	996
350	37	.065	.771	260	310	350	1155
400	37	.065	.815	280	335	380	1315
500	37	.065	.896	320	380	430	1632
600	61	.080	1.026	355	420	475	1950
750	61	.080	1.131	400	475	535	2440

Ampacity shown above is per the 2002 National Electrical Code. The above data is approximate and subject to normal manufacturing tolerances.

- Conductors:** Stranded, uncoated bare copper per ASTM B787 and ASTM B8.
- Conductors Insulation:** Cross-Linked Polyethylene (XLP) insulation per UL-44.
- Specifications:** Sunlight Resistant (6 GA and larger). VW-1 available in all sizes.
Lead free – ROHS Compliant. CT USE (1/0 and larger) CUL-TYPE RW90

Application Notes:

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 (NEC). XHHW-2 conductors may be used in wet or dry locations at temperatures not to exceed 90°C. XHHW-2 conductors are rated for 600 volts. Insulation rated for use to -40°C (UL).

