

XHHW-2 / RW90



Scope:

Single conductor, Type XHHW-2 for use at 600 and 1000 volts or RW90 for use at 600 volts or less RoHS compliant. It is rated for a maximum continuous operating temperature between -40°C and 90°C in wet and 105°C in dry locations. Dielectric constant, 3.5 or less.



Applicable Standards and Tests:

- ASTM B-1, B-3, B-33, B-8, B-174, and ASTM 150
- UL 44 and UL83
- CSA C22.2 No.38-10
- NEC NFPA 70, NEC 310, NEC 517.160
- Fed Spec J-C-30B



Construction:

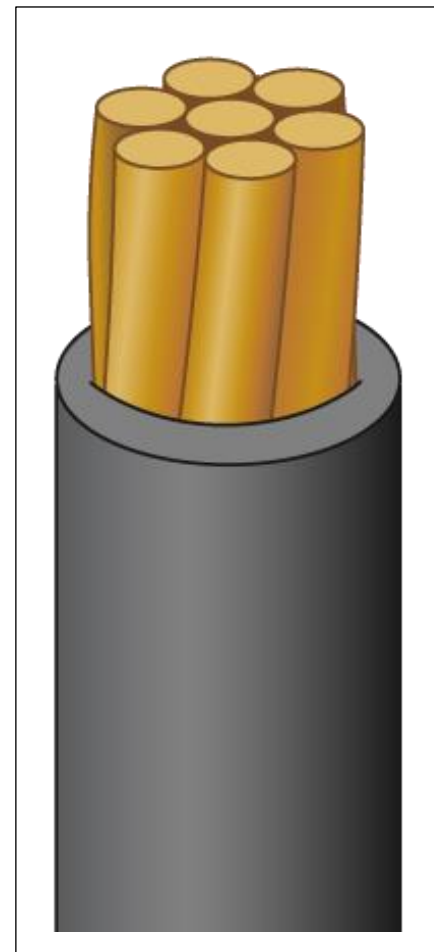
Conductors: Single bare copper conductors as solid or stranded, annealed or hard, tinned, or coated copper per UL and ASTM requirements.

Insulation: Concentrically applied XLP (Cross-Linked Polyethylene) is FT2, flame retardant, "Oil and Gasoline Resistant II". All black insulation is rated "Sunlight Resistant". VW-1, and all colors and CT rated in 1/0 and larger sizes are available upon request.



Identification and Packaging:

The wire shall be identified by surface marking indicating the manufacturer, conductor size, voltage rating, UL symbol, and type designation. Standard length spools have 500 or 2500 feet. Custom lengths, AWG, and custom packaging are available by request.



AWG	Standard Number of Strands	Extra Flexible Stranding	Insulation Thickness Mils	Nominal Overall Diameter – Inches (standard strands)	Approx. Shipping Wgt. (Lbs./Mft.)
14	Solid or 7	19, 41	30	0.13"/0.14"	21
12	Solid or 7	19, 65	30	0.15"/0.16"	27
10	Solid or 7	19, 105	30	0.17"/0.18"	40
8	Solid or 7	19, 133	45	0.24"/0.25"	66
6	Solid or 7	19, 133	45	0.28"/0.30"	100
4	Solid or 7	19, 133	45	0.32"/0.34"	153
2	7	19, 133	45	0.38"	237
1	19	133	55	0.44"	301
1/0	19	133	55	0.48"	375
2/0	19	37	55	0.53"	465
3/0	19	37	55	0.58"	580
4/0	19	37	55	0.64"	720