

RHW-2 / USE-2 (XLPE) & RHW-2 2KV

Scope:

Single conductor, Type RHW-2 use at 600 and 1000 volts or less and USE-2 for use at 600 volts or less and RHW-2 2KV for use at 2000 (2kv) volts or less. RoHS compliant. Approved for Direct Burial rated for a maximum continuous operating temperature between -40°C and 90°C in wet and 105°C in dry locations.



Applicable Standards and Tests:

- ASTM B-1, B-3, B-33, B-8, and B-174
- UL 44 and UL83
- Fed Spec J-C-30B, L-824-C, ASTM 150
- ICEA S-95-658/NEMA WC70.



Construction:

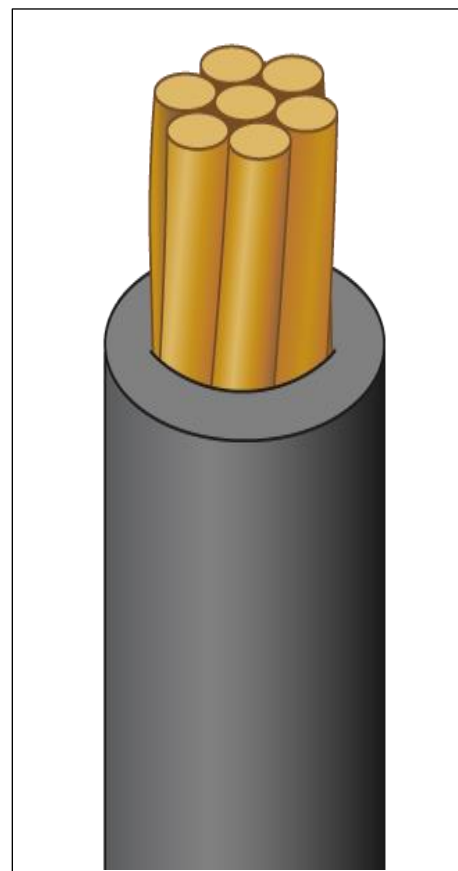
Conductors: Single copper conductors as solid or stranded, annealed or hard, coated, or uncoated copper per UL and ASTM requirements.



Insulation: XLP (cross linked polyethylene) is "Oil and Gasoline Resistant II". All black insulation is rated "Sunlight Resistant". VW-1 and CT rated in sizes 1/0 and larger available by 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, non-standard colors, AWG, and custom packaging are available by request.



AWG	Standard Number of Strands	Extra Flexible Stranding	Insulation Thickness 600V/2KV Mils	Nominal Overall Diameter 600V/2KV – Inches (standard strands)	Approx. Shipping Wgt. 600/2KV (Lbs./Mft.)
14	Solid or 7	19, 41	45 / 60	0.16-0.17 / 0.19-0.20	21 / 25
12	Solid or 7	19, 65	45 / 60	0.18-0.19 / 0.21-0.22	30 / 33
10	Solid or 7	19, 105	45 / 60	0.20-0.21 / 0.23-0.24	44 / 49
8	Solid or 7	19, 133	60 / 70	0.25-0.27 / 0.27-0.28	70 / 74
6	7	19, 133	60 / 70	0.31 / 0.32	106 / 111
4	7	19, 133	60 / 70	0.35 / 0.36	161 / 166
2	7	19, 133	60 / 70	0.41 / 0.42	246 / 252
1	19	133	80 / 90	0.49 / 0.50	318 / 325
1/0	19	133	80 / 90	0.53 / 0.54	393 / 400
2/0	19	37	80 / 90	0.58 / 0.60	484 / 492
3/0	19	37	80 / 90	0.63 / 0.65	601 / 610
4/0	19	37	80 / 90	0.69 / 0.71	743 / 753