

3-PHASE HYDRO 5% WIRE LOSS CHART

| Watts: Wire Size: | #14 | #12 | #10 | #8 | #6 |
|--------------------------|------------|------------|------------|-----------|-----------|
| 1200W/240V/6A | 388 | 780 | 980 | 1560 | 2500 |
| 2000W/240V/8A | 290 | 462 | 735 | 1171 | 1875 |
| 4000W/240V/15A | 161 | 240 | 392 | 625 | 1000 |
| 1200W/440V/3A | 1421 | 2263 | 3600 | 5730 | 9167 |
| 2000W/440V/4A | 1066 | 1700 | 2700 | 4297 | 6875 |
| 4000W/440V/8A | 533 | 850 | 1350 | 2148 | 3437 |

5% loss is ideal; 10% loss is normal; but up to 50% loss is acceptable where sufficient power is available.

UF or USE wire is made for outdoor direct-burial and is available, in single or 3 strands together, romex-style, 1000' rolls, in sizes 12/3 and 8/3. The cost of USE wire is about the same as THHN wire and conduit, except for the labour of installation.

If you plan to run the hydro during fire season, we recommend using conduit or burying the wire.