

# PVC Insulated material

## Style UL1013 Hook-up Wire

Internal wiring of Appliances; or where exposed to oil at a temperature not exceeding 90°C  
Whichever is applicable, The most popular hookup wire for Electric.

### Description:

Conductor material of tinned or bare copper

Rated temperature 90 °C

Rated Voltage 600 V (Spark voltage 6000 V)

Flame resistance VW-1 and FT1

RoHS Compliant

### Specification:

| Gauge (AWG) | Number of Strands | Gauge of Strands (AWG) | Nom. Dia. of Stranded Conductor |       | Nom. Fin. Wire Diam. |       | Max. Resistance (dc at 20°C) Ohm/per |        | Nom. Wt.      |         |
|-------------|-------------------|------------------------|---------------------------------|-------|----------------------|-------|--------------------------------------|--------|---------------|---------|
|             |                   |                        | Inch                            | mm    | Inch                 | mm    | 1000-ft                              | Km     | LBS./1000 ft. | Kg/Km   |
| 4/0         | 259               | 21                     | .5197                           | 13.20 | .6772                | 17.20 | 0.0525                               | 0.1722 | 714.30        | 1062.74 |
| 3/0         | 259               | 22                     | .4610                           | 11.71 | .6185                | 15.71 | 0.0669                               | 0.2194 | 573.21        | 852.83  |
| 2/0         | 259               | 23                     | .4173                           | 10.60 | .5748                | 14.60 | 0.0814                               | 0.2670 | 477.77        | 710.83  |
| 1/0         | 259               | 24                     | .3657                           | 9.29  | .5232                | 13.29 | 0.1026                               | 0.3367 | 377.53        | 561.68  |
| 1           | 259               | 25                     | .3331                           | 8.46  | .4906                | 12.46 | 0.1300                               | 0.4268 | 319.52        | 475.38  |
| 2           | 259               | 26                     | .2854                           | 7.25  | .4051                | 10.29 | 0.1641                               | 0.5384 | 228.42        | 339.85  |
| 4           | 133               | 25                     | .2386                           | 6.06  | .3583                | 9.10  | 0.2608                               | 0.8559 | 166.50        | 247.71  |
| 6           | 266               | 30                     | .1882                           | 4.78  | .3079                | 7.82  | 0.4148                               | 1.361  | 111.20        | 165.45  |
| 8           | 168               | 30                     | .1496                           | 3.80  | .2402                | 6.10  | 0.6795                               | 2.23   | 69.13         | 102.85  |
| 10          | 105               | 30                     | .1181                           | 3.00  | .1811                | 4.60  | 1.08                                 | 3.55   | 41.71         | 61.89   |
| 12          | 65                | 30                     | .0933                           | 2.37  | .1563                | 3.97  | 1.72                                 | 5.64   | 27.85         | 41.33   |
| 14          | 41                | 30                     | .0740                           | 1.88  | .1370                | 3.48  | 2.73                                 | 8.96   | 19.25         | 28.58   |
| 16          | 26                | 30                     | .0591                           | 1.50  | .1220                | 3.10  | 4.45                                 | 14.6   | 13.71         | 20.34   |
| 18          | 7                 | 26                     | .0465                           | 1.18  | .1094                | 2.78  | 7.06                                 | 23.2   | 9.99          | 14.83   |
| 18          | 16                | 30                     | .0465                           | 1.18  | .1094                | 2.78  | 7.06                                 | 23.2   | 9.84          | 14.60   |
| 20          | 10                | 30                     | .0374                           | 0.95  | .1004                | 2.55  | 11.2                                 | 36.7   | 7.58          | 11.24   |
| 20          | 21                | 33                     | .0374                           | 0.95  | .1004                | 2.55  | 11.2                                 | 36.7   | 7.61          | 11.27   |
| 22          | 17                | 34                     | .0299                           | 0.76  | .0929                | 2.36  | 18.1                                 | 59.4   | 5.95          | 8.84    |
| 22          | 7                 | 30                     | .0299                           | 0.76  | .0929                | 2.36  | 18.1                                 | 59.4   | 6.21          | 9.21    |
| 24          | 7                 | 32                     | .0240                           | 0.61  | .0870                | 2.21  | 28.7                                 | 94.2   | 4.84          | 7.18    |
| 24          | 11                | 34                     | .0240                           | 0.61  | .0870                | 2.21  | 28.7                                 | 94.2   | 4.84          | 7.20    |
| 26          | 7                 | 34                     | .0197                           | 0.50  | .0827                | 2.10  | 45.8                                 | 150    | 4.09          | 6.07    |
| 28          | 1                 | 28                     | .0126                           | 0.32  | .0756                | 1.92  | 69.3                                 | 227    | 3.27          | 4.86    |
| 28          | 7                 | 36                     | .0154                           | 0.39  | .0783                | 1.99  | 72.8                                 | 239    | 3.49          | 5.19    |
| 30          | 1                 | 30                     | .0100                           | 0.254 | .0730                | 1.85  | 110                                  | 361    | 2.92          | 4.35    |

### Order reference:

Colors available: 0-Black, 1-Brown, 2-Red, 3-Orange, 4-Yellow, 5-Green, 6-Blue, 7-Violet, 8-Grey, 9-White, 5/4 – Green W/ Yellow

Striping: Longitudinal and Parallel Stripes Available Per Request

Delivery: All Stocked Items Available for Immediate Shipment, 8 Week Lead Time for Non-stocked Items

Package: Stocked in Spools, Barrel Pack Available Per Request

Wire Processing: Cut, Strip, and Tinning Available