

ALPHA WIRE Hook-up and Bus Bar Wire



RoHS Compliant **This product is RoHS compliant.**

AlphaWire HOOK-UP WIRE

COLOR CODE CHART Colors = Ordering Suffix

| | | | | |
|-----------|-----------|-----------|------------|------------|
| White=01 | Red =03 | Yellow=05 | Brown =07 | Gray =09 |
| Black =02 | Green =04 | Blue =06 | Orange =08 | Violet =10 |

* Not available in all colors



MIL-W-76B Type MW PVC Insulation

- Temperature Voltage: -40°C to 80°C
- Voltage Rating: 1000V

| Alpha Part No. | Conductor | | Nominal O.D. (in.) | MOUSER STOCK NO. | Spool Price | | MOUSER STOCK NO. | Spool Price | |
|----------------|-----------|--------|--------------------|-------------------|-------------|--------|----------------------|-------------|--------|
| | AWG | Strand | | | 1 | 5 | | 1 | 5 |
| | | | | | | | | | |
| 1550 | 24 | 7/32 | .059 | 602-1550-100-___ | 25.89 | 24.01 | 602-1550-1000-___ | 117.46 | 112.20 |
| 1551 | 22 | 7/30 | .064 | 602-1551-100-___ | 30.62 | 28.82 | 602-1551-1000-___ | 137.94 | 131.76 |
| 1553 | 20 | 10/30 | .068 | 602-1553-100-___ | 36.38 | 34.24 | 602-1553-1000-___ | 155.87 | 148.89 |
| 1555 | 18 | 16/30 | .078 | 602-1555-100-___ | 45.84 | 43.15 | 602-1555-1000-___ | 212.98 | 203.85 |
| 1557 | 16 | 26/30 | .092 | 602-1557-100-___ | 66.40 | 60.15 | 602-1557-1000-___ | 329.75 | 310.98 |
| 1559 | 14 | 41/30 | .101 | 602-1559-100-___ | 97.00 | 86.86 | 602-1559-1000-___ | 578.69 | 552.78 |
| 1560 | 12 | 65/30 | .125 | 602-1560-100-___ | 161.06 | 153.49 | 602-1560-1000-___ | 1000.00 | 982.31 |
| 1561/24 | 24 | Solid | .055 | 602-1561/24-100-* | 27.88 | 23.98 | 602-1561/24-1000-___ | 121.02 | 113.33 |
| 1561 | 22 | Solid | .060 | 602-1561-100-___ | 27.02 | 25.50 | 602-1561-1000-___ | 125.43 | 119.81 |
| 1563 | 20 | Solid | .066 | 602-1563-100-* | 30.79 | 28.98 | 602-1563-1000-___ | 122.02 | 120.02 |
| 1565 | 18 | Solid | .074 | 602-1565-100-* | 67.68 | 63.39 | 602-1565-1000-___ | 280.26 | 267.71 |

UL1430 Irradiated PVC Insulation

- Temperature Voltage: -55°C to 105°C
- Voltage Rating: 300V

| Alpha Part No. | Conductor | | Nominal O.D. (in.) | MOUSER STOCK NO. | Spool Price | | MOUSER STOCK NO. | Spool Price | |
|----------------|-----------|--------|--------------------|------------------|-------------|--------|-------------------|-------------|--------|
| | AWG | Strand | | | 1 | 5 | | 1 | 5 |
| | | | | | | | | | |
| 7130 | 24 | 7/32 | .056 | 602-7130-100-___ | 74.01 | 69.16 | 602-7130-1000-___ | 224.08 | 210.05 |
| 7131 | 22 | 7/30 | .062 | 602-7131-100-* | 59.37 | 56.75 | 602-7131-1000-* | 269.90 | 253.21 |
| 7132 | 20 | 7/28 | .070 | 602-7132-100-___ | 87.22 | 81.68 | 602-7132-1000-___ | 311.26 | 294.61 |
| 7133 | 18 | 7/26 | .082 | 602-7133-100-___ | 100.99 | 96.51 | 602-7133-1000-___ | 413.71 | 395.98 |
| 7134 | 16 | 19/29 | .092 | 602-7134-100-___ | 155.21 | 146.21 | 602-7134-1000-___ | 543.71 | 519.36 |

Kynar® Insulation for Wire Wrap (UL 1422, UL1423)

Wire wrapping is an automatic or semi-automatic termination method generally used in large scale wiring of computer backpanels. It involves the helical wrapping of a solid conductor around a rectangular post under controlled tension. Alpha Kynar® wire wrap is manufactured with Silver-Plated OFHC (Oxygen-Free High Conductivity) conductor.

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| | | | | |
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| MOUSER STOCK NO. | Alpha Part No. | AWG Size | Nominal OD (in.) | 1000' Spool | |
|-------------------|----------------|----------|------------------|-------------|--------|
| | | | | 1 | 5 |
| 602-5951-1000-___ | 5951 | 30 | .020 | 312.08 | 297.85 |
| 602-5952-1000-___ | 5952 | 28 | .024 | 360.31 | 345.33 |
| 602-5953-1000-___ | 5953 | 26 | .027 | 370.03 | 350.41 |
| 602-5954-1000-___ | 5954 | 24 | .030 | 500.19 | 475.70 |

Tefzel® Insulation for Wire Wrap (UL 1516, UL1523)

- Solid Silver Plated OFHC (Oxygen-Free High Conductivity) conductor.
- Color-Coded Tefzel® (Ethylene-Tetrafluoroethylene Copolymer)
- High abrasion, heat and cut-through resistance.

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|-----------|-----------|-----------|------------|------------|
| White=01 | Red =03 | Yellow=05 | Brown =07 | Gray =09 |
| Black =02 | Green =04 | Blue =06 | Orange =08 | Violet =10 |

* Not available in all colors

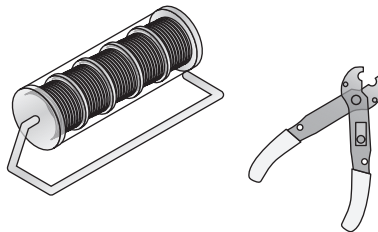
| Alpha Part No. | AWG Size | Nominal OD (in.) | MOUSER STOCK NO. | Spool Price | MOUSER STOCK NO. | Spool Price |
|----------------|----------|------------------|------------------|-------------|-------------------|-------------|
| | | | | | | |
| 1805 | 30 | .020 | 602-1805-100-___ | 108.10 | 602-1805-1000-___ | 875.81 |
| 1806 | 28 | .024 | 602-1806-100-* | 169.08 | 602-1806-1000-___ | 930.75 |
| 1807 | 26 | .027 | 602-1807-100-___ | 179.45 | 602-1807-1000-___ | 1000.90 |
| 1808 | 24 | .030 | 602-1808-100-* | 197.73 | 602-1808-1000-___ | 1125.20 |

AlphaWire HOOK-UP WIRE KITS

Hook-Up Wire Kits contain an assortment of 100' spools suitable for military or UL/CSA applications. Each kit contains five spools of stranded hook-up wire in a unique, rack-mounted, transparent dispensing tube. The tube and rack system keeps hook-up wire neat, clean, and conveniently at hand.

Features:

- Operating Temperature: -40°C to 105°C
- Voltage Rating: 300V
- Includes cut and strip tool
- Five assorted hook-up wire colors: White, Black, Red, Green, and Blue



| MOUSER STOCK NO. | Alpha Part No. | AWG Size | Price Each |
|------------------|----------------|----------|------------|
| 602-HU-KIT-20 | HU-KIT-20 | 22 | 194.14 |
| 602-HU-KIT-40 | HU-KIT-40 | 24 | 194.14 |

AlphaWire BUS BAR WIRE

- Solid Tin Plated Copper
- QQ-W-343 Type S

| Alpha Part No. | Cond. AWG | Dia. (in.) | MOUSER STOCK NO. | Spool Price | |
|----------------|-----------|------------|------------------|-------------|--------|
| | | | | 1 | 5 |
| 299/3 | 30 | .01 | 602-299/3-100 | 40.75 | 38.41 |
| 299/2 | 28 | .013 | 602-299/2-100 | 32.67 | 31.38 |
| 299/1 | 26 | .016 | 602-299/1-100 | 33.39 | 31.90 |
| 299 | 24 | .02 | 602-299-100 | 34.57 | 30.92 |
| 298 | 22 | .025 | 602-298-100 | 35.11 | 33.45 |
| 297 | 20 | .032 | 602-297-100 | 44.01 | 41.23 |
| 296 | 18 | .04 | 602-296-100 | 55.26 | 53.77 |
| 295 | 16 | .051 | 602-295-100 | 84.50 | 82.12 |
| 286 | 14 | .064 | 602-286-100 | 123.20 | 121.02 |
| 289 | 12 | .081 | 602-289-100 | 173.55 | 160.82 |

