The cables you trust. The service you deserve.

Every application is critical and wire failure is not an option when the safety of your equipment and personnel is paramount. Specify Alpha hook-up wire for harsh environments and crucial applications; since the integrity of your system is only as robust as the products you use.

Superior availability

Alpha offers hook-up wire from stock in most sizes and constructions, in both small and large put-ups, so you can order it when you need it. Our products are available for same-day shipment, eliminating long lead times.

Service and support, second-to-none

Selecting the correct wire for your critical application is essential to overall system reliability, performance, and safety. So we make it easy for you to select the right Alpha hook-up wire for your specific application.

Our online resources include a wire and cable selection guide, technical information, full product catalog, and a distributor locator to make it easy to select and get the cable you need. Can’t find what you’re looking for? Design the cable to your specification, it’s easy, just visit www.alphawire.com!
The broad range of hook-up wire from Alpha means you will find the product exactly suited to your application—whether it's as straightforward as a control cabinet in a protected environment or as specialized as a machine tool on the factory floor, a high-temperature oven, or off-road construction equipment.

Our hook-up wire is available in a variety of insulations to meet your needs for temperature, ability to withstand wear and abrasion, electrical performance, or resistance to oil, solvents, and chemicals.

- Stranded and solid copper conductors, bare or tinned, with other platings available for special application needs.
- Broad range of insulations
- Color-coded insulation for easy circuit identification
- UL, CSA, and Mil-spec compliance
- Convenient put-ups as short as 100 feet
- Excellent uniformity and low-fray design for easy handling, stripping, and termination
- UL, CSA, and Mil-spec compliance
- Conventional put-ups as short as 100 feet
- Excellent uniformity and low-fray design for easy handling, stripping, and termination

The table above gives a sampling of the hook-up wire available from Alpha Wire. If you don’t see what you need or you would like a sample, give us a call at 1-800-52 ALPHA.
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### Choice of Insulations to Meet Temperature Range and Mechanical and Environmental Requirements

<table>
<thead>
<tr>
<th>Insulation</th>
<th>Material</th>
<th>Temperature Range</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVC</td>
<td>Polyvinyl chloride</td>
<td>-55°C to +105°C</td>
<td>General-purpose insulation. Good abrasion resistance. Excellent flame resistance.</td>
</tr>
<tr>
<td>XL-PVC</td>
<td>Cross-linked PVC</td>
<td>-55°C to +105°C</td>
<td>Better abrasion and cut-through resistance than standard PVC. Improved temperature and solder iron resistance over standard PVC. Used in high-density wiring.</td>
</tr>
<tr>
<td>PTFE (Teflon®)</td>
<td>Polytetrafluoroethylene</td>
<td>-55°C to +200°C</td>
<td>High temperature. Chemically inert: excellent chemical and solvent resistance. Excellent electrical properties.</td>
</tr>
<tr>
<td>XLPE</td>
<td>Cross-linked polyethylene</td>
<td>-55°C to +125°C</td>
<td>Higher temperature rating than PVC.</td>
</tr>
<tr>
<td>Silicone</td>
<td>Silicone</td>
<td>-40°C to +150°C</td>
<td>High-voltage material. Excellent dielectric strength and resistance to radiation, corona, and ozone.</td>
</tr>
<tr>
<td>PDVF (Kynar®)</td>
<td>Polyvinylidene fluoride</td>
<td>-40°C to +125°C</td>
<td>Widely used in wire wrap applications.</td>
</tr>
<tr>
<td>ETFE (Tefzel®)</td>
<td>Ethylene tetrafluoroethylene</td>
<td>-70°C to +150°C</td>
<td>High-temperature applications. Chemically inert: excellent chemical and solvent resistance. Moisture resistant. Withstands mechanical abuses and repeated flexing.</td>
</tr>
<tr>
<td>TGGT</td>
<td>Teflon glass glass Teflon</td>
<td>+250°C</td>
<td>High-temperature applications, such as heat-treating furnaces, kilns, and food service equipment. Excellent thermal stability.</td>
</tr>
<tr>
<td>MG</td>
<td>Mica glass</td>
<td>+450°C</td>
<td></td>
</tr>
</tbody>
</table>

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