**Heavy-Duty Switches**

These highly reliable switches are rated at 15 amps. Contacts are made of solid, fine silver. The mounting bushing diameter and bushing length are both 1/16 inch. Toggle switches feature nickel plated, 1/16 inch long actuators. Mounting hardware is furnished.

**Toggle Switch, SPST (single pole, single throw)** This two-terminal switch is perfect for controlling ignition power, switching lights or any other simple on-off type function.

**Toggle Switch, SPDT (double pole, double throw, on-off-on)** This six-terminal switch is for more complex switching applications.

**Toggle Switch, DPDT (double pole, double throw, on-off-on)**

This SPST switch has an internal spring that returns the switch to the off position. It is ideal for a starter switch or other momentary switching function. This switch is custom-made with a special “Reverse Keyway” so that it will work properly with our Military Switch Guard (Part No. 4429).

**Push-Button Switch, SPST Momentary On** This SPST switch has an internal spring that returns the switch to the off position. It is ideal for a starter switch or other momentary switching function. This switch is custom-made with a special “Reverse Keyway” so that it will work properly with our Military Switch Guard (Part No. 4429).

**SPST Momentary on** Part No. 4422 ... $10.99

**SPST Momentary on** Part No. 4423-001 ... $11.99

**SPST Momentary off** Part No. 4425 ... $10.99

**SPST Momentary off** Part No. 4424 ... $7.99

**DPDT with center off position** Part No. 4421 ... $17.99

**DPDT with center off position** Part No. 4420 ... $16.99

**Miscellaneous Switch Hardware:**
- Military Switch Guard
- Push-on Terminals
- Horizontal Switch Plate (on/off)
- Vertical Switch Plate (on/off)
- Vertical Switch Plate (off/on)
- Vertical Switch Plate (on/off)
- Horizontal Switch Plate (off/on)
- Horizontal Switch Plate (on/off)

**Toggle Switch Boot**  . . . . . . . Part No. 4419 . . . . . . . . . . $5.39

**Anti-Rotation Locking Ring**  . . . . . . . Part No. 4429 . . . . . . . . . . $4.99

**Push-on Terminals**

- 22 gauge 6.3 amps 0.060 inch / 1.52mm
- 20 gauge 8.9 amps 0.060 inch / 1.52mm
- 18 gauge 13.9 amps 0.060 inch / 1.52mm
- 16 gauge 17.7 amps 0.060 inch / 1.52mm
- 14 gauge 22.0 amps 0.060 inch / 1.52mm
- 12 gauge 28.0 amps 0.080 inch / 2.04mm
- 10 gauge 33.0 amps 0.100 inch / 2.54mm

**Push Button Switch**

- 22 gauge 6.3 amps 0.060 inch / 1.52mm
- 20 gauge 8.9 amps 0.060 inch / 1.52mm
- 18 gauge 13.9 amps 0.060 inch / 1.52mm
- 16 gauge 17.7 amps 0.060 inch / 1.52mm
- 14 gauge 22.0 amps 0.060 inch / 1.52mm
- 12 gauge 28.0 amps 0.080 inch / 2.04mm
- 10 gauge 33.0 amps 0.100 inch / 2.54mm

**Heavy-Duty Switches – Now with your choice of terminals!**

This top-quality stranded wire is standard on military aircraft. It is also the wire of choice for F1 constructors. Each strand of the copper conductor is individually tin plated for corrosion resistance and for excellent soldering qualities. The flame retardant ETFE insulation is rated for 150°C (302°F) operation and offers exceptional resistance to most fluids as well as cuts and abrasion. The insulation is very thin, but it is so tough it is nearly impossible to strip without damaging the wire unless the correct stripping tool (sold below) is used.

**Custom Wire Stripping Tool for 26 to 16 gauge MIL-W-22759/16 Wire**

Trying to strip the tough, thin ETFE insulation from MIL-W-22759/16 can be challenging. This tool makes the job fast and easy. The close tolerance stripping dies are sized for our ETFE insulated wire and will not work with any other insulation thickness. A close look at one of the stripping dies says much about the quality of the entire tool. When the dies close, the cutting blades stop just short of the center conductor at which time pressure is applied to snap the insulation. A special latch prevents disturbing the strands as the tool releases its grip on the wire.

**Mil Spec MIL-W-22759/16 Extruded ETFE Insulated Wire (white only)**

<table>
<thead>
<tr>
<th>Wire Size (AWG)</th>
<th>Current Rating *</th>
<th>Insulation Diameter</th>
<th>Part No.</th>
<th>Price per Foot</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 gauge</td>
<td>5.1 amps</td>
<td>0.045 inch / 1.14mm</td>
<td>5001</td>
<td>19¢</td>
</tr>
<tr>
<td>22 gauge</td>
<td>6.3 amps</td>
<td>0.052 inch / 1.32mm</td>
<td>5002</td>
<td>21¢</td>
</tr>
<tr>
<td>20 gauge</td>
<td>8.9 amps</td>
<td>0.060 inch / 1.52mm</td>
<td>5003</td>
<td>23¢</td>
</tr>
<tr>
<td>18 gauge</td>
<td>11.4 amps</td>
<td>0.071 inch / 1.80mm</td>
<td>5004</td>
<td>29¢</td>
</tr>
<tr>
<td>16 gauge</td>
<td>13.9 amps</td>
<td>0.079 inch / 2.01mm</td>
<td>5005</td>
<td>32¢</td>
</tr>
<tr>
<td>14 gauge</td>
<td>17.7 amps</td>
<td>0.095 inch / 2.41mm</td>
<td>5006-14</td>
<td>64¢</td>
</tr>
<tr>
<td>12 gauge</td>
<td>24.0 amps</td>
<td>0.120 inch / 3.05mm</td>
<td>5007-12</td>
<td>99¢</td>
</tr>
<tr>
<td>10 gauge</td>
<td>32.9 amps</td>
<td>0.138 inch / 3.51mm</td>
<td>5008-10</td>
<td>$1.39</td>
</tr>
</tbody>
</table>

* Current capacity is based on continuous duty for wires in bundles, harnesses or conduits at sea level. Multiply the currents shown by 0.97 to derate for 5,000 ft elevation. Source FAA AC 43.13-13, Table 11-9 corrected for sea level (divided by 79).

**ETFE insulation is available in white only.**

**Clear Heat Shrink Tubing**

This tough, clear heat shrink tubing shrinks to half its original diameter when heat is applied. It is perfect for making wire labels as shown in the photo. Just print two rows of numbers or other identifiers using a word processing program (a font size of 5 points is shown). Cut out the labels, wrap around the wire, and then cover with clear heat shrink tubing. Labels like this are handy for any wiring harness, but essential with ETFE wiring.

**High-Quality General Purpose Hookup Wire**

- 18 gauge 9.3 amps
- 16 gauge 11.1 amps
- 14 gauge 14.9 amps
- 12 gauge 19.8 amps
- 10 gauge 26.6 amps

**See page 63 for Solderless Crimp Terminals**

**Military Switch Guard**

This guard was designed for critical aerospace and military applications to prevent accidental switch actuation. It can be used with any of the switches as left and is especially recommended for use on starter switches. Sold individually.

**Switch Guard, Milspec MS25224-1 (available in Red only)**...

**Toggle Switch Boot**

Use to seal the switch toggle to prevent dust, dirt and moisture from getting into the switch.

**Locking Ring**

Use to ensure against unwanted rotation of the switches at left. A 1/8 inch hole must be drilled in the panel to accept the tab on the locking ring.

**Buy more and save! See our website for quantity discounts on wire.**

**Check website to verify current pricing**