

# QUICKCABLE®

Your Best Connection

## Fusion Solder Connector 1 & 2, 1/0, 2/0 Gauge Assortment

Designed for all makes & models of equipment including autos, vans, light & heavy duty truck, construction & farm equipment

Assortment No. 9063-001

<b>Part No. 486301-005F</b> 1 & 2 Gauge 3/8" Heavy Duty Solder Lug (5 pcs.)	<b>Part No. 486310-005F</b> 1/0 Gauge 3/8" Heavy Duty Solder Lug (5 pcs.)	<b>Part No. 486320-005F</b> 2/0 Gauge 3/8" Heavy Duty Solder Lug (5 pcs.)	<b>Part No. 5574-001</b> Fusion™ Flux (1 bottle)
<b>Part No. 406301-005N</b> 1 & 2 Gauge Negative Solder Clamp (5 pcs.)	<b>Part No. 406310-005N</b> 1/0 Gauge Negative Solder Clamp (5 pcs.)	<b>Part No. 406320-005N</b> 2/0 Gauge Negative Solder Clamp (5 pcs.)	<b>Part No. 120101-001</b> Safety Glasses (1 pair) *Must be worn when soldering
<b>Part No. 406301-005P</b> 1 & 2 Gauge Positive Solder Clamp (5 pcs.)	<b>Part No. 406310-005P</b> 1/0 Gauge Positive Solder Clamp (5 pcs.)	<b>Part No. 406320-005P</b> 2/0 Gauge Positive Solder Clamp (5 pcs.)	
<b>Part No. 6701-050T</b> Shoulder Nut 5/16" x 18 (30 pcs.)	<b>Part No. 6700-050T</b> Square Head Bolt 5/16" – 18 x 1-3/8" (30 pcs.)	<b>Part No. 120122</b> Side Terminal Brush	
<b>Part No. 5662-010B</b> 3/4" Double Wall, 1.5", Black Heat Shrink Tube (20 pcs.)	<b>Part No. 5662-010R</b> 3/4" Double Wall, 1.5", Red Heat Shrink Tube (20 pcs.)		

Re-order parts are available from your Quick Cable dealer

### Safety

Wear eye protection. Never work leaning over a battery. Batteries produce hydrogen gas that is explosive. Do not smoke or use an open flame near a battery. Batteries contain sulfuric acid that is corrosive and lead that is poisonous. Wash your hands thoroughly after working with a battery. Do not allow children to play with batteries, cables, or terminals.

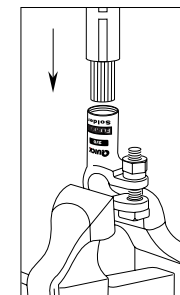


### Installation Tips

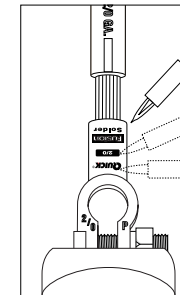
- Use heavy duty lugs for grounding or starter applications as well as for stud or side terminal batteries.
- When replacing cable always install equal or heavier cable, never lighter.
- In cold climates use a heavier cable gauge to improve starting ability.
- Use red and black terminal protectors and heat shrinkable tubing for easy identification of battery cable polarity.
- Use red for positive and black for negative. Terminal protectors add safety to cable assemblies.

### Instructions

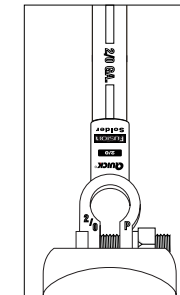
**WARNING!**  
Wear safety glasses & gloves to protect eyes & hands from solder splatter. Keep open flame away from batteries. Batteries produce explosive hydrogen gas. Avoid breathing lead vapor or flux fumes released during soldering.



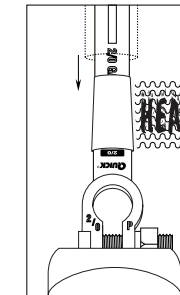
**Clamp/Strip/Insert**  
Clamp connector vertically. Remove 7/8" (22mm) insulation. Slide terminal protector & heat shrink over cable. Twist loose cable strands tight. Insert cable into barrel, contacting solder.



**Heat connector**  
Heat full length of barrel while holding cable straight. As solder melts, push cable using gentle back & forth twist. Remove heat before insulation reaches barrel. Continue until cable hits bottom. Don't overheat. Some overflow of flux or solder is normal.



**Cool to solidify**  
Hold cable steady 20 - 30 sec, depending on gauge. Caution! Connection stays hot for some time. Water cool if permitted. Minor melting or discoloring of insulation is acceptable. Charring indicates overheating.



**Seal heat shrink**  
Slide tube over connection. Heat indirectly. Tube contracts to force inner melt-able sealant into cavities, creating perfect seal. Process is complete when shrinking stops.

#### Using old cable?

Remove surface dirt from insulation. Cut & strip cable. Copper must be free of dirt & corrosion. Prepare surface using wire cleaning brush, Part No. 120122-001. Use straight downward strokes to dislodge & brush away contamination. Twist any loose wire strands around cable bundle. Apply 3-4 drops of Fusion Flux directly to bare wire surface. Proceed to 'Insert Cable'.

#### How To Determine Wire Sizes

This guide will help you determine the gauge (size) of an unmarked cable. Measure the bare conductor only, not the insulation. Actual diameters vary depending on the specific stranding of the wire.



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