



# QUALITEK SOLDERING PRODUCTS

## Qualitek No-Clean Rosin Core Wire Solder

Qualitek wire solder is made in the U.S.A. of virgin materials to maintain the highest and most consistent quality

### No-Clean (NC601) Rosin Activated Solder

This special no-clean flux volatilizes (vaporizes) at soldering leaving minimal clear residue which may be removed with HOT water if desired.

Part Number	Alloy Tin / Lead	Size Gauge	Dia. in.	Percent of Flux	Roll Size
50-60021	60/40	21	.032	1.1	1 LB
50-60521	60/40	21	.032	1.1	1/2 LB
50-63021	63/37	21	.032	1.1	1 LB
50-63521	63/37	21	.032	1.1	1/2 LB
50-63018	63/37	18	.050	1.1	1 LB
50-63518	63/37	18	.050	1.1	1/2 LB
50-63016	63/37	16	.062	1.1	1 LB
50-63516	63/37	16	.062	1.1	1/2 LB



## Qualitek Silver Solder

These solders are specially formulated to be used with gold and silver plated contacts to prevent the leaching of precious metals which is easily dissolved into tin. Leaching is the tendency for tin/ lead-bearing solder to dissolve metallizations during reflow operations. The rate at which silver leaches into molten tin/ lead solder alloy is retarded by using solder alloys which contain a small amount of silver. These solders contain 2% silver in the alloy.



Part Number	Alloy Tin/Lead/Silver	Size Gauge	Dia. in.	Roll size	Flux
50-32021	62/36/2	21	.032	1 LB	RA300
50-32521	62/36/2	21	.032	1/2 LB	RA300
50-62021	62/36/2	21	.032	1 LB	NC601
50-62521	62/36/2	21	.032	1/2 LB	NC601

RA300= Rosin Activated core, NC601 = No-Clean core

## Qualitek Lead-Free Solder

Environmentally safe solder. This solder is designed to replace the standard lead bearing type of solder for plumbing applications. The reflow temperature is 221° - 230°C. The alloy is 96.5% Tin (Sn) / 3.5 % Silver (Ag). This combination is the best for soldering plumbing or similar connections where excess heat will not destroy components. It has excellent wetting and spreading properties.



**50-95505** 1/2 LB Spool  
**50-95500** Dispenser Pack  
 16 Gauge (.062" DIA.)

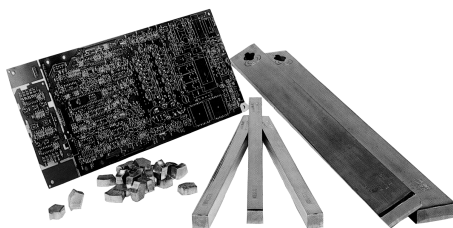
## Dispenser Packs of Wire Solder

These products are a convenient size to carry in your tool box or keep in the rework bench. They are available in several alloys and types of products.



Part Number	Alloy Tin/Lead/Silver	Dia. in.	Roll size	Carton Quantity	Flux Type
50-3000	60/40	.032	.50oz	50	RA300
50-6000	60/40	.032	.50oz	50	NC601
50-6200	63/37/2	.032	.50oz	50	NC601

RA300= Rosin Activated core, NC601 = No-Clean core



**50-6322** Bar solder 2.2 LB / bar

**50-6301** Q - Bar Chips  
 1 oz chip (size 1" x .5") for small solder pot.  
 1/2 lb Package Blister Card Display

### Maximum Allowable Impurities

Impurity	Q-Bar	J-STD-006	ASTM B-32
Antimony	0.050	0.200	0.120
Copper	0.010	0.080	0.080
Silver	0.010	0.050	0.015
Bismuth	0.050	0.100	0.250
Iron	0.010	0.020	0.020
Arsenic	0.010	0.030	0.030
Zinc	0.001	0.003	0.005
Aluminum	0.001	0.005	0.005
Cadmium	0.001	0.002	0.001
Nickel	0.005	0.010	n/a
Gold	0.002	0.050	n/a
Indium	0.050	0.100	n/a

## Qualitek Bar Solder

Qualitek "Q-Bar" solder is made of the finest virgin metals. The quality standards for ALL Q-Bar products exceed the J-STD-006, ASTM B-32 and QQ-S-571 standards. They are available in 1 Kilogram (2.20 pound) bars and are sold in ten (10) bar packages which weighs 22 LB.