

CALRAD

90 Series - Test Lead Clips, Alligator Clips & Battery Holders

90-781

TEST LEAD SET

Features 5 color-coded leads, terminated with wire hooks for hands free testing. 5 colors: Black, Green, Red, White and Yellow



90-768

ALLIGATOR CLIPS

Kit of 5 alligator clips. Nickel plated with screw terminals. Also fits banana plugs.



90-767

TEST CLIP SET

Thin wire kit of 10 leads, 15" long. Miniature insulated alligator clip each end. (2 each of 5 colors: Black, Green, Red, White and Yellow) #27 awg wire.



90-771 2 Black, 2 Red

90-771-BK 2 Black

90-771-RD 2 Red

ALLIGATOR CLIPS WITH INSULATED HANDLES

Insulated alligator clips. Screw terminals. Also fits banana plugs.



90-764

Same as 90-767, but with medium weight clips and wire. Colors: Black, Green, Red, White and Yellow. #21 awg wire.



90-772

BATTERY CONNECTORS

Completely insulated, snap fastener type with color-coded leads. Made to fit flat 9-volt and miniature 45-volt batteries with 1/2" connector spacing.

Available with 2 1/2", 4", 6 1/2", and 8" leads.

90-772-2.5..... 2.5" leads

90-772-4..... 4" leads

90-772-6.5..... 6.5" leads

90-772-8..... 8" leads



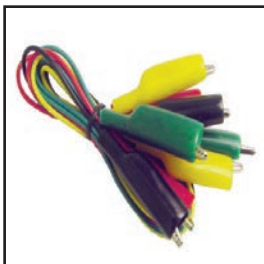
90-772M

Molded 9-volt battery clip with 6" leads.

90-770

HEAVY DUTY TEST CLIP LEADS

Heavy duty, flexible wire, insulated clips. Four 30" cables Colors: Black, Green, Red and Yellow. #18 awg wire.



SNAP-IN "AA"

BATTERY HOLDERS

Sturdy, plastic, lightweight construction. For use with radios, recorders, school projects and many transistor applications. Will accommodate 1 1/2-volt penlight batteries.

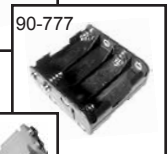
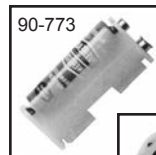
90-773 2 cell holder (less batteries)

90-774 4 cell holder (less batteries)

90-775 2 cell holder (less batteries)

90-777 8 cell holder (less batteries)

90-779 4 cell holder (less batteries)

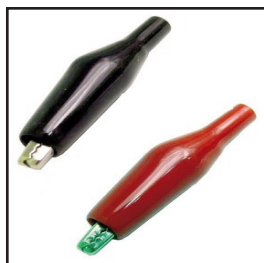


RUBBER INSULATED ALLIGATOR CLIPS

Sturdy nickel plated jaws with strong spring and hard bite. 1 1/2" long. Specify color.

90-765.....Black

90-766.....Red



90 Series - Battery & Fuse Holders, Speaker Terminals

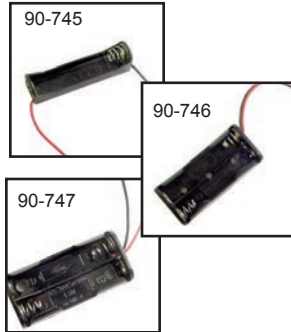
“AAA” BATTERY HOLDERS

Made of durable plastic shell and nickel plated contacts to stop corrosion from battery acid. All have 6 inch leads (red and black).

90-745. 1 cell holder (less batteries)

90-746. 2 cell holder (less batteries)

90-747. 4 cell holder (less batteries)



90-811 UNIVERSAL INLINE FUSE HOLDER

Consists of insulated plastic fuse holder and 25"-wire. Handles 3AG-type 10A 125V fuses included. Excellent for home, auto radios and tape players. 20 gauge wire.



90-780 SAFETY FUSE HOLDER

Panel mounting for 3AG-type fuses. Fits in panels up to $\frac{3}{16}$ " thick, $\frac{19}{32}$ " mounting hole. Overall length $1\frac{3}{4}$ " behind panel $1\frac{15}{16}$ ". Rating 10 amps / 250 Vac



90-818 HEAVY DUTY INLINE FUSE HOLDER

10-gauge wire with 30-Amp fuse included. Length is 13".



90-783-UL FUSE HOLDER UL VERSION

Panel mounting fuse holder for 3AG fuses. Mounts in $.59$ " hole. $1\frac{1}{4}$ " deep behind panel. Rating 10 amps / 250 Vac

90-783 NON-UL VERSION.

$1\frac{9}{32}$ " long. Mounts in $.59$ " hole. Rating 15 amps / 125 Vac



90-838 CB REPLACEMENT HARNESS

Fits many CB sets on the market today. Complete with color-coded wire, fuse holder and 2-Amp fuse and molded plug.



90-751 4-PUSH TERMINAL CONNECTORS

Push terminal 16 Ga wire connecting block. 2 red and 2 black push posts. Just a touch of the finger completes the circuit. Simple, yet positive action. Perfect for amplifier and speaker connections.

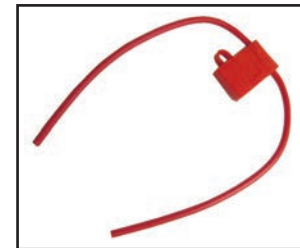
Size: $2\frac{11}{16}$ "(L) x $1\frac{15}{16}$ "(W) x $\frac{5}{8}$ "(D)
Mounting centers $2\frac{3}{8}$ "



90-732 HEAVY DUTY INLINE FUSE HOLDER

Heavy duty ATC/ATO* blade type fuse holder with 10 gauge wire. Length 8 inches.

* © ATC/ATO is a registered trademark of Little Fuse Company.



90-755 2-PUSH TERMINAL CONNECTORS

Push terminal 16 Ga wire connecting block. 1 red and 1 black push posts. Dimensions $2\frac{5}{16}$ "W x 1"H
Mounting Centers $1\frac{13}{16}$ "



CALRAD

90 Series - Speaker Terminals & Accessories

90-758

Banana Plug & Binding Post Terminal Strip

gold terminals with plastic screw nut with red and black identification bands
Size: 2¹/₈" (L) X 1⁵/₁₆"(W)



90-758G

All Gold Terminal Version
Dual Banana/Speaker Terminal Strip. Accepts either standard banana plugs or speaker wire up to 10 AWG. Solder, spade lug or screw rear terminal options available. Size: 2¹/₈" (L) X 1⁵/₁₆"(W).



90-757

Banana Plug & Binding Post Terminal Cup

Gold terminals with plastic screw nut. Red and Black colored plastic nuts. Mounting Holes 2¹/₂" Center to Center. Mounts in 2" Hole. Outside Face Dia. 2⁷/₈"
Mounting hardware not included.



90-757G

All Gold Terminal Version Gold Plated Banana Plug & Binding Post Terminal Cup

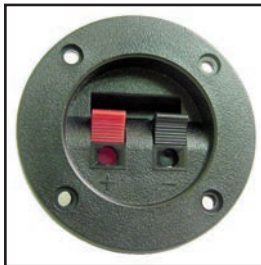
All gold terminals. Red and Black Identification bands. Mounts in 2" hole. Mounting holes 2¹/₂" Center to Center. Outside Face Diameter 2⁷/₈". Mounting hardware not included.



90-756

PUSHBUTTON BINDING POST TERMINAL CUP

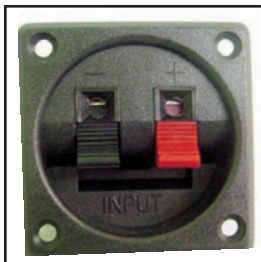
Ideal for fast connections. Spring loaded. Just press and insert wires, release and wires are securely fastened. Installs easily into most speaker cabinets. Red and Black posts. Mounts in 2" hole, 2⁵/₁₆" dia. mounting centers.



90-740

SPEAKER TERMINAL CUP

2¹/₄" x 2¹/₄" square. Has spring loaded connectors. Red and black posts. Spade lug or solderable rear terminals
240 Vac @ 5 Amps.



90-741

SPEAKER TERMINAL CUP

2¹/₂" x 3¹/₈" size. Has spring loaded connectors. Red and black posts. Spade lug or solderable rear terminals.



5-WAY BINDING POSTS

Plastic insulation. Has 5/16" keyed threaded mounting shaft. Will mount in panels up to 1/4" thick. Colors shown below.

90-799.....Black
90-800.....Red



30-601 1 Red, 1 Black

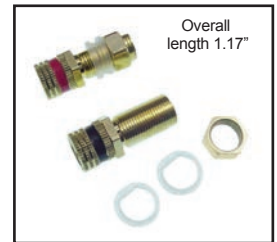
30-601-BK 1 Black

30-601-RD 1 Red

Banana/Binding Post

Solderless speaker termination on each end Accepts banana style connectors or raw speaker cable up to 14AWG. Mounts in 3/8" hole.

Overall length 1.17"



30-601S-BK & RD

Gold plated binding post with push button on one end and banana jack on the other end. threaded barrel top screws off to accept 14 Ga wire.



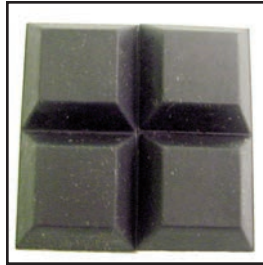
Visit Calrad on the web at: www.calrad.com

90 Series - Rubber Feet, Chassis Boxes & Tools

90-794

RUBBER FEET

Adhesive-backed molded bumpers apply instantly. Just peel off backing and apply to any dry, clean surface. 4 per pkg.
Size: 0.129"(H) x .520"(sq.)



90-795

Same as 90-794 only larger.
Size: 0.300"(H) x .880"(sq.)

90-796

RUBBER FEET

Adhesive-backed molded bumpers apply instantly. Just peel off backing and apply to any dry, clean surface. 4 per pkg.
Size..... 0.400" Ht. x .880 dia.



90-797

RUBBER FEET

Adhesive-backed molded bumpers apply instantly. Just peel off backing and apply to any dry, clean surface. 4 per pkg.
Size0.320" Ht. x .635" dia.



90-819

HEAVY DUTY ALUMINUM UTILITY BOX

Precision made. Ideal for mounting controls, intercom's and most transistor switching devices. Box wall thickness .085"
Size.... 4.65"(L) X 3.65"(W) X 1.36"(H)



HANDY BOXES WITH ALUMINUM PANEL

Made of sturdy black ABS plastic, removable aluminum cover. Perfect for housing test equipment, experimental products.

90-784 ... 3 1/4"L x 2 1/8"W x 1 1/8"H

90-785 4"L x 2 1/8"W x 1 5/8"H

90-786 6 1/4"L x 3 3/4"W x 2"H



PLASTIC UTILITY BOXES

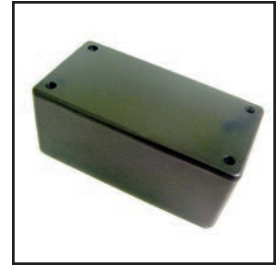
Slotted for circuit boards. Grey sturdy ABS plastic.

90-8802 1/8"L x 4 1/8"W x 1 3/4"H

90-881 2 1/2"L x 5 1/8"W x 1 3/4"H

90-8823 1/2"L x 5 7/8"W x 2 1/2"H

90-8834 1/2"L x 7 3/8"W x 2 9/16"H



90-936

FLEXIBLE RATCHET DRIVER SET

Comfortable ratchet wrench with flexible neck and ten inter-changeable tips. Flex neck is detachable. Bits: 3 slotted, 4 phillips, 3 torx.



90-937

17 PIECE OFFSET RATCHET & SOCKET DRIVER SET - Metric

Handy ratchet wrench with ten interchangeable tips or six sockets. Sockets are in fractions of an inch. Sockets: 5mm, 6mm, 6.5mm, 8mm, 9mm, 10mm. Bits: 3 slotted, 4 phillips, 3 torx.



90-842

6-PIECE PHILLIPS SCREWDRIVER SET

Screwdrivers are made of hardened and tempered molybdenum steel. Black point blades are against reflection of light, swivel top is suitable for miniature work. Contains: 0.5-0.4-0.3-0.2-0-1.2 x 40mm



90-843

7-PIECE HEX BALL DRIVER SET WITH HARDENED TIPS

Screwdrivers are made of hardened and tempered molybdenum steel. Black point blades are against reflection of light, swivel top is suitable for miniature work. Contains: 0.7-0.9-1.3-1.5-2.0-2.5-3.0 x 40mm



CALRAD

90 Series - Tools

90-844

7-PIECE COMBO SET

Screwdrivers are made of hardened and tempered molybdenum steel. Black point blades are against reflection of light, swivel top is suitable for miniature work. Contains: slotted; 1.4 - 2.0 - 2.4 - 3.0 x 40mm & phillips' 0.3 - 0.2 - 0 x 40mm



90-906

4-PIECE PRECISION TWEEZER SET

Fine sharp point, curved tip, general point tip, and flat tip. Comes with carrying pouch.



90-828

3-PIECE LONG-HANDLE SCREWDRIVER SET

Screwdrivers are made of hardened and tempered molybdenum steel. Black point blades are against reflection of light, swivel top is suitable for miniature work. Contains: slotted; 2.4x75, 3.0x100. phillips; 0-2x7.



90-912

4 PIECE CERAMIC NON CONDUCTIVE TWEEZER SET

Ideal for handling semiconductors, silicon chips and delicate wafers. Static dissipative and conductive ideal for use with sensitive components where ESD damage is a concern. Tweezers are manufactured with carbon loaded materials. 4 blade types: duck bill, wide duck bill, 60° fine tip, and straight fine tip. Heat resistant up to 180°C (250°F), Acid resistance. tips do not spread under pressure. No contamination and non magnetic. Overall length 4.75".



90-908

9-PIECE METRIC HEX KEYS SET WITH HOLDER

Sizes: 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm.



90-927-8

90-927-12

BNC INSERTION AND REMOVAL TOOLS

Easy grip handle. Available in 8" and 12" shaft lengths.



90-930A

AMERICAN 7-PIECE FOLD-UP HEX KEY SET

Contains: 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 1/4". Finish: case painted in green lacquered finish. Key fingers sand blasted and then nickel plated.



90-928-8

COAX CABLE ASSEMBLY TOOL

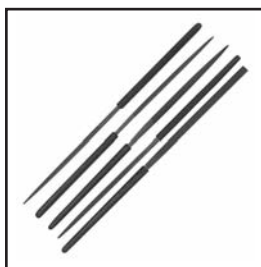
This tool is used to remove 'F' connectors in tight areas. Also aids in the assembly of standard 'F' series connectors with a Female mounted connector to push against. also used to clear damaged or stripped threads.



90-905

5-PIECE NEEDLE FILE SET

5 style edges: flat, round, square, half-round, and triangle.



90-803

3 PIECE PRECISION ALIGNMENT TOOLS

Insulated handles with steel tips. Antistatic nylon construction.



CALRAD

90 Series - Tools

90-804 10 PIECE PLASTIC ALIGNMENT TOOLS

4.5" long molded plastic rods with various types of tips: slotted, hexagon, and square. Easy grip handles.



90-925 SOLDERING IRON STAND WITH SPONGE

Works with Calrad soldering irons 90-921 and 90-923



90-850 MICRO FLAT NOSE PLIER WITH INSULATED GRIP



90-900 TEMPERATURE CONTROLLED SOLDERING STATION

This electronic temperature control soldering station uses a sophisticated electronic circuit enabling the user to change the temperature from 300°F (150°C) to 900°F (480°C) without changing the tip or heating element. Temperature is maintained within ±10°F of its preset temperature by a unique temperature sensor located near the tip giving rapid response and little temperature variation. Soldering station has a digital readout.



90-900T Replacement tip for 90-900.

90-900R Soldering iron replacement.

90-853 MICRO LONG NOSE PLIER WITH INSULATED GRIP



90-926 60/40 ROSIN CORE SOLDER

370 degree melting point, 18 awg, 7 inch dispenser tube.



90-903 BUTANE GAS TORCH WITH CERAMIC HEAD

Comes with different tips for all styles of work. Unit is refillable. Five different tips are included.



90-805 CABLE SLITTING TOOL

Easy grip handle, adjustable cutting blade. Prepares cables up to 1.75". This tool can cut around or slit the length of the cable jacket.



90-923 AC SOLDERING IRON 40 watt pencil style. 6' cord.



90-920 RATCHET CRIMPING TOOL

Designed to produce a solid and uniform crimp with every use. Crimps spade type connectors from .5-1mm², 1.5-2.5mm², 4.0-6mm². Handles cable sizes from 10 to 22 gauge wire. Comfortable plastic grip.



90-924 REPLACEMENT TIP Replacement tip for 90-923.



90-921 AC SOLDERING IRON 30 watt pencil style. 6' cord.

90-945 COAXIAL CABLE STRIPPER

This coax cable stripper will perform two level stripping of coaxial cables Stripping the outer jacket, braided shield and inner dielectric. The adjustable blade depth works well for different coaxial cable thicknesses.

RG-58/59/62/6/6QS/3C/4C/5C.



CALRAD

90 & 99 Series - Tools, Tape & Cigarette Lighter Plugs

90-856 PRECISION WORK HOLDER WITH 1.75" MAGNIFYING GLASS

Adjustable heads with 6 ball joints for all angles, locks at any angle. Alligator spring clips for easy use. Nickel plated fittings with heavy cast-iron base.



90-787 HIGH INSULATION ELECTRICAL TAPE

Plastic electrical tape consists of high dielectric strength and flexible stretch, snug wrap, waterproof. Will resist oil, gasoline, water, salt water, alkalis and sunlight. 3/4" wide, 60 ft. UL approved. **Please specify color when ordering**



90-787Black
90-787-BUBlue
90-787-GNGreen
90-787-WHWhite

DRILL BITS

1/4"
99-F12F 1/4" x 12" Flex Shaft
99-F18F 1/4" x 18" Flex Shaft
99-F24F 1/4" x 24" Flex Shaft
99-F36F 1/4" x 36" Flex Shaft
99-F58F 1/4" x 58" Flex Shaft
99-F72F 1/4" x 72" Flex Shaft

1/2"
99-1218B 1/2" x 18" Stiff Shaft
99-1218C 1/2" x 18" Carbide Bit
99-1218F 1/2" x 18" Flex Shaft
99-1224F 1/2" x 24" Flex Shaft
99-1224B 1/2" x 24" Stiff Shaft
99-1236F 1/2" x 36" Flex Shaft
99-1236B 1/2" x 36" Stiff Shaft
99-1236C 1/2" x 36" Masonary Bit
99-1258F 1/2" x 58" Flex Shaft
99-1258B 1/2" x 58" Stiff Shaft
99-1272F 1/2" x 72" Flex Shaft

3/8"
99-3812B 3/8" x 12" Stiff Shaft
99-3812F 3/8" x 12" Flex Shaft
99-3818B 3/8" x 18" Stiff Shaft
99-3818C 3/8" x 18" Carbide Bit
99-3818F 3/8" x 18" Flex Shaft
99-3824F 3/8" x 24" Flex Shaft
99-3824B 3/8" x 24" Stiff Shaft
99-3824C 3/8" x 24" Carbide Bit
99-3836F 3/8" x 36" Flex Shaft
99-3836B 3/8" x 36" Stiff Shaft
99-3836C 3/8" x 36" Masonary Bit
99-3848B 3/8" x 48" Stiff Shaft
99-3858F 3/8" x 58" Flex Shaft
99-H3858F 3/8" x 58" Flex w/ extra hole
99-3872F 3/8" x 72" Flex Shaft

3/4"
99-7548B 3/4" x 48" Stiff Shaft
Auger Bits

99-A10036B 1" x 36" Flex Shaft, Auger
99-A10048B 1" x 48" Auger
99-A1224B 1/2" x 24" Auger
99-A1236B 1/2" x 36" Auger
99-A1248B 1/2" x 48" Auger
99-A3424B 3/4" x 24" Stiff Shaft, Auger
99-A3436B 3/4" x 36" Auger
99-A3448B 3/4" x 48" Auger
99-A3472B 3/4" x 72" Auger
99-A3824B 3/8" x 24" Auger
99-A3836B 3/8" x 36" Auger
99-A3848B 3/8" x 48" Auger
99-A3872B 3/8" x 72" Auger
99-A5836B 5/8" x 36" Auger
99-A5848B 5/8" x 48" Auger



All drill bits have the hole at the end of the shaft for feeding wires thru the wall or window sill.

90-600 CIGARETTE LIGHTER SOCKET

Chassis mount version mounts in 7/8" diameter hole. Over all length: 2.64". 0.15" diameter post and 0.25" spade. Current rating 15A.

90-600-S
Same as the 90-600 except with a solderable center tab.



90-601 CIGARETTE LIGHTER JACK

Cigarette lighter jack for auto accessories. Rated up to 15 amps. Accepts up to .25" O.D. cable. Over all length: 2.7".



90-602 POWER CORD EXTENSION "Y" ADAPTER POWER CABLE

Enables two 12 volt units to be connected to one 12 volt battery pack or auto accessory outlet. Includes replaceable 3 amp fuse. Rated up to 15 Amps. 18 awg cable. Black cable.



90-604 CIGARETTE LIGHTER PLUG

Snap-together case with single screw nut for fast easy replacement. Easy access solderless terminals. Single finger ground system. Accepts up to 18 awg cable. Over all length: 2.86". Spring loaded tip.



90 Series - Cigarette Lighter Plugs, Jacks & Cable Assemblies

90-610

CIGARETTE LIGHTER PLUG

Snap-together case with single screw nut for fast easy replacement. Easy access solderless terminals. Single finger ground system. Accepts up to 16 awg cable. Over all length: 2.86". Spring loaded tip.



90-615

CIGARETTE LIGHTER PLUG

2-ear version for better ground connection. Easy grip handle for removal. O.D.: 0.25". Overall length: 3.7". Rubber strain relief. Color black. Spring loaded tip.



90-611

CIGARETTE LIGHTER PLUG

2-ear version for better ground connection. Fuse protected, complete with 5 amp fuse. Accepts up to .25" O.D. cable. Over all length: 3.3". Rubber strain relief. Color black.



90-616

RIGHT ANGLE CIGARETTE LIGHTER PLUG

Accepts 18-22 gauge wire. Fuse protected with a 2A fuse. 2 ear ground system and cable strain relief. O.D.: 0.25" Overall length: 2.7"



90-612

CIGARETTE LIGHTER PLUG

2-ear version for better ground connection, bakelite material. Accepts up to .25" O.D. cable. Over all length: 3". No fuse protection. Spring loaded tip.



90-617

CIGARETTE LIGHTER PLUG WITH 20 AMP FUSE

Heavy Duty cigarette plug with a 20 Amp fuse. Dual contacts and heavy duty spring.



90-613

CIGARETTE LIGHTER PLUG

Fuse protected, complete with 5 amp fuse. 2-ear version for better ground. Accepts up to .17" O.D. cable. Over all length: 3.7". Rubber strain relief. Color black. Spring loaded tip.



90-620

ADJUSTABLE CIGARETTE LIGHTER PLUG WITH SWITCH

Ratchet style cigarette lighter plug with built-in illuminated (L.E.D.) power switch. 10A fuse protected (fuse included). 2 finger ground system. 95° adjustable head. Accepts up to 16awg. cable.



90-614

CIGARETTE LIGHTER PLUG WITH RED L.E.D.

Same as 90-613 with LED for power indication. O.D.: 0.19" Overall length: 3.8". Rubber strain relief. Color black. Spring loaded tip.



90-606

CIGARETTE LIGHTER PLUG

Fits most automotive lighter sockets. 3 amp / 3 AG fuse. 18 awg zip cable - red/black. 16" leads and fused plug.



CALRAD

90 Series - Cigarette Lighter, Cable Assemblies

90-605

15 AMP CIGARETTE LIGHTER PLUG WITH RETRACTABLE CABLE

Black, heavy duty 18 AWG coiled cable. Extends to 15 ft. Fits most automotive lighter sockets. Adds portability to your electronic equipment either inside or outside of vehicle. 3 amp fuse. rated up to 15 amps. Black cable. Stripped and tinned leads.



90-619

CIGARETTE LIGHTER CABLE WITH 2.5mm COAX PLUG

6' 20awg. black cable with 2.5mm Male coax plug to Male 5A fuse protected cigarette lighter plug with power indicator L.E.D. for use with all types of portable electronics requiring 12Vdc.



90-607

CIGARETTE LIGHTER PLUG WITH CABLE

Fits most automotive lighter sockets. 32" black 18awg. cable. No fuse protection.



45-820

LIGHTER PLUG

Fused lighter plug with 6 detachable plugs. 12 ft. coiled cord with multi plugs on the other end. Fuse protected at 2 amps.



90-617-6

CIGARETTE LIGHTER PLUG WITH 20 AMP FUSE

6' 16 awg. black cable with stripped and tinned ends. Heavy duty 20A fuse protected cigarette lighter plug with power indicator L.E.D. Dual ear contacts and heavy duty tip spring. For use with all types of portable electronics requiring 12Vdc.



45-821

LIGHTER PLUG

Fused lighter plug with LED indicator. 6 ft. cord with 2.1 coax plug on the other end. Fuse protected at 5 amps. With positive center.



90-618

CIGARETTE LIGHTER CABLE WITH 2.1mm COAX PLUG

6' 20awg. black cable with 2.1mm Male coax plug to Male 5A fuse protected cigarette lighter plug with power indicator L.E.D. for use with all types of portable electronics requiring 12Vdc.



90-618-RT Right Angle Version on 2.1mm side only

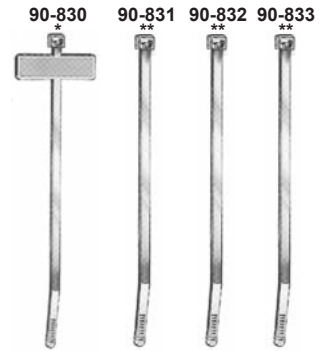


Visit Calrad on the web at: www.calrad.com

90 Series - Cable Ties, Cable Tie Tools

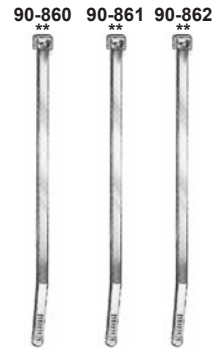
CABLE TIE PRODUCTS

These tie products are manufactured of 100% non-corrosive, Type 6/6 Nylon. They meet MIL-S-23190, MS 3367, ASTM D4066-82, and are recognized under the component program of the Underwriter's Laboratories, Inc. (File No. E 37800). All products are Self-Extinguishing UL 94 Flam., Class: V-2. They are stocked in natural and weather-resistant, heat-stabilized black. Other colors are available upon request as noted on illustrations. The part numbers shown are for bulk-packaged, natural ties. Order other colors by adding color desired to part number shown. All cable ties sold in lots of 25, 100 or 1000 .



Part Number	Cross Section	Loop Tensile Strength		Minimum Bundle Diameter		Military Standard	Overall Length		
				Minimum	Maximum		in.	(mm)	
90-830 *	STD	18	(8.1)	3/16"	(4.7)	7/8	(22.2)	MS 3368-5	4.0 (101.6)
90-831 **	MIN	18	(8.1)	1/16"	(1.6)	7/8	(22.2)	MS3367-4	4.0 (101.6)
90-832 **	INT	40	(18.1)	1/16"	(1.6)	1 1/4	(31.7)	MS3367-5	5.5 (139.7)
90-833 **	STD	50	(22.7)	1/16"	(1.6)	1 3/4	(44.5)	MS3367-1	7.5 (190.5)
90-860 **	INT	40	(18.1)	1/16"	(1.6)	2 1/8	(53.9)	No App. Std	8.0 (203.2)
90-861 **	STD	50	(22.7)	1/16"	(1.6)	3	(76.2)	MS3367-7	11.0 (279.4)
90-862 **	STD	50	(22.7)	1/16"	(1.6)	4	(101.6)	MS3367-2	14.0 (381.0)

* Available in Natural.
 ** Available in Natural and Black.



90-867A CABLE TIE INSTALLATION TOOL

Designed to combine maximum productivity and speed with operator comfort and safety. Simple to use - place tie around bundle and pull hand tight. Apply tool at head of tie and squeeze. Tie is pulled to pre-set tension and cut off in one simple operation. Adjustable, pre-set tension results in uniform cable tie application, neater bundles more efficient harnessing. Replacement cutting blades available for extended life. Short squeeze factor for greater comfort with less fatigue. Lightweight, only 12 ounces. Hand contoured handle. Positive positioning feature on tension adjustment knob.



90-868 CABLE TIE TENSION TOOL



CALRAD

90 Series - Digital Calipers & Wire Conduit

90-913 0-100MM ELECTRONIC DIGITAL SILVER CALIPERS

Measuring range: 0-75mm / 0-3", 0-100mm / 0-4", 0-150mm / 0-6", 0-200mm / 0-8", 0-300mm / 0-12". Resolution: + -0.01mm / 0.0005" Measuring system: Linear Capacitive, display LCD, Power 1.5 button cell. An ideal tool for a broad range of industrial and automotive applications.

Features: Internal measuring jaw, locking screw, zero setting and power buttons, depth measuring blade, metric/inch change over, step measuring faces.



90-914 0-150MM ELECTRONIC DIGITAL BLACK CALIPERS

Measuring system: Linear Capacitive, display LCD, Power 1.5 button cell.

Features: Internal measuring jaw, locking screw, zero setting and power button, depth measuring blade, metric/inch change over, step measuring faces, data output port, step measuring face. Tolerance, Hold, ABS selection. An ideal tool for a broad range of industrial and automotive applications.

Features:

- Power: 2 x 1.5V SR44 (silver oxide cell) battery (included)
- Measuring range: 0–150 mm/ 0–6 inch.
- Accuracy: + 0.02 mm/ 0.001 in. (<100 mm), + 0.03 mm/ 0.001 in. (>100 -150 mm)
- Resolution: 0.01mm/ 0.0005 in.
- Zero setting in any position



SPLIT AND SOLID WIRE PVC CONDUIT

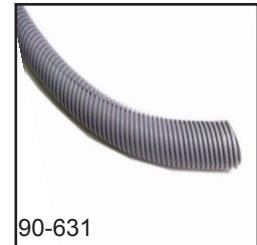
Split or Solid PVC, Corrugated Tubing Protects Wiring from Abrasion and sunlight. Organizes Wire and Eliminates Clutter. Split Allows for Easy Wire Insertion, While the Solid Insures Secure Blind Insertion.

1/2" to 1" Split Conduit

90-630-BK	100 ft. 1/2" Black
90-630-GY	100 ft. 1/2" Grey
90-631-BK	100 ft. 3/4" Black
90-631-GY	100 ft. 3/4" Grey
90-632-BK	50 ft. 1.0" Black
90-632-GY	50 ft. 1.0" Grey

Solid 2 Inch Conduit

90-635-BK	50 ft. 2.0" Black
90-635-BK-150	150 ft. 2.0" Black
90-635-GY-150	150 ft. 2.0" Grey



CALRAD

90 & 92 Series - L.E.D. Lighting

90-701-XLR-RA PRO-AUDIO LAMP WITH 8 L.E.D LIGHTS

Perfect for mixing consoles or desk top, public address usage. Terminates to a male XLR connector. Over 50 year Avg. L.E.D lamp life. Material color: Black.

Specifications:

Power 8 L.E.D lamps operates on 12Vdc.
Current consumption250mA.
Gooseneck length.....12"
Wiring XLR Pin 1=ground, Pin 2=12Vdc
Material colorBlack



90-702 CIGARETTE LIGHTER LAMP WITH 8 L.E.D. LIGHTS

For use in Car's or truck's. Provides a bright pure white light for reading. Never gets hot, easy to handle and operate. Terminates to a male cigarette lighter connector with ON/OFF switch. Over 50 year Avg. L.E.D lamp life. Fuse protected.

Specifications:

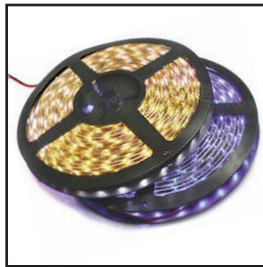
Power 8 L.E.D lamps operates on 12Vdc.
Current consumption250mA.
Gooseneck length.....12"
Material colorBlack



2-WIRE / 4 WIRE 12VDC L.E.D. STRIP LIGHTING

92-300 White 2-Wire LED Strip Lighting. 16 ft. rolls.

92-301 RGB 4-Wire LED Strip Lighting. 16 ft rolls.



Mini LED Flashlights

- 92-203-BK**.....Black
- 92-203-BU**.....Blue
- 92-203-GY**.....Grey
- 92-203-RD**.....Red
- 92-203-WH**.....White



Calrads new line of L.E.D. waterproof strip lighting provides the unique ability to select each independant color of Red, Green or Blue or combinations to create (256 shade levels each color, 16 million shades) of lighting in a small thin form factor. The flexible silicon PCB can be bent to a maximum radius of 2cm. 50 L.E.D's per meter 4 watts per meter. Cut between every 3 LEDs to create the size length for your application. Creates stunning visual effects, Little or no heat, Solid-state, high shock / vibration resistant, very bright & low power consumption. 16 ft. String requires a 12Vdc, 1.5 amp power supply.

92-200 6" AVIATOR COMPACT FLASHLIGHT

Shock proof construction, heavy duty machined Aircraft Aluminium with high quality black anodized finish.

Fully adjustable focus head. All weather housing with sealed O-ring lamp and battery housing. One-handed tail rubber push button switch.

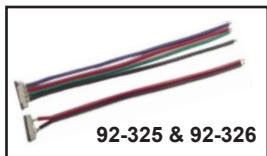
Shatter proof lense, includes spare bulb, belt style carrying case with velcro flap and 2 x AA Batteries.



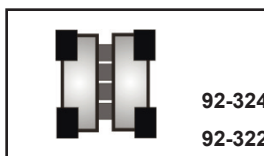
See page 103 for 12Vdc power supplies



92-340



92-325 & 92-326



92-324
92-322

92-201 COMPACT AVIATOR FLASHLIGHT ON A 18" FLEXIBLE GOOSENECK



92-201

90-1000 PERSONAL L.E.D SAFETY LIGHT

With the mini-flash unit on at night, you will stay visible to motorists while walking or jogging on the road. Clip the mini-flash either on your hat or clothes.

Momentary push on/off power switch. Bright flashing red L.E.D. . Easy to replace 3V lithium battery CR2032.



90-1000-BAT

3V lithium replacement battery CR2302.

- 2-WIRE LED STRIP LIGHTING**
- 92-325** LED Strip Lighting Clips With 6" Leads
 - 92-326** LED Strip Lighting Clips With 6" Leads
 - 92-340** RGB Manual Control Module
 - 92-341** RGB Control Module and IR Remote
 - 92-322** 2 Wire LED Strip Lighting Coupler
 - 92-324** 4 Wire LED Strip Lighting Coupler