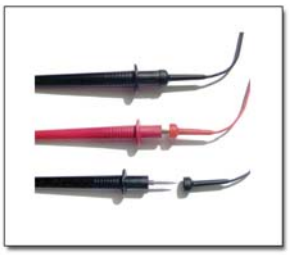
NEW PRODUCTS*

MICRO-SCALE TEST KIT



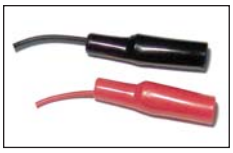
Micro-scale Test Kit accessories are designed to attach to industry standard multimeter test probes or prods. These accessories allow convenient and safe testing on breadboards or printed circuit boards.

KT-MS002 includes:

- (2) 48" test leads with right angle shrouded banana plug to test prod
- (2) Alligator Clip Micro-scale test lead attachments (one red, one black)
- (2) Micro-plunger Clip Micro-scale test lead attachments (one red, one black)
- (2) Breadboard Pin Micro-scale test lead attachments (one red, one black)
- (2) Needle Pin Micro-scale test lead attachments (one red, one black)
- (2) Pin Socket Micro-scale test lead attachments (one red, one black)
- (2) Magnetic Probe Micro-scale test lead attachments (one red, one black)
- (1) Battery Current Probe Micro-scale test lead attachment
- (2) Nano-plunger Clip Micro-scale test lead attachments (one red, one black)
- (1) Carrying pouch

KT-MS001 INCLUDES:

- All of the above accessories without the 48" test leads



ALLIGATOR CLIP ATTACHMENT

- Used to grip larger terminals, rails and wires
- Mueller BU-30 Clip
- Insulator included to reduce the risk of shorting to other components
- Rated for 5 amps of current

MAGNETIC PROBE ATTACHMENT

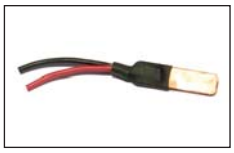
- Used to attach to any metal surface
- Can be used to hold one lead to a cabinet ground, freeing both hands to probe other components.
- Effortless connection to a dry-cell battery

BREADBOARD PIN ATTACHMENT

- Used for hands free probing of breadboards
- Fits standard .025 inch square holes
- 50 micron gold plated pin ensures long life and accurate measurements
- Insulated handle for effortless insertion

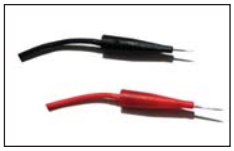
NANO-PLUNGER CLIP ATTACHMENT

- Used to grip fine-pitch leads on circuit boards
- Ideal for SMD pins with pitches as low as 1mm
- Gold plated for low resistance connections



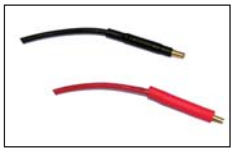
BATTERY CURRENT PROBE ATTACHMENT

- Used to measure the current in a dry cell battery compartment
- Easily inserts between the battery and the spring contact



NEEDLE PIN ATTACHMENT

- Used to pierce the conformal coating on circuit boards
- Has low profile holder to reach tight locations



PIN SOCKET ATTACHMENT

- Used to connect to .080” male pins
- A great way to test D-Sub connectors
- High quality gold plated contact

MICRO-PLUNGER CLIP ATTACHMENT

- Used to grip the leads on through-hole components
- Small enough to test individual IC leads
- Durable nylon construction

CARRYING POUCH

- Used to store and carry all of the Micro-scale Accessories
- Fits comfortably in a shirt or pants pocket

*Products covered by patents pending.

Mueller clips are the industry standard. Our designs reflect 95 years of innovation and improvement. Mueller clips assure teeth that bite, springs that hold, plating that lasts and insulators that protect.

Color Key		
0=Black	4=Yellow	6=Blue
2=Red	5=Green	9=White

Miniature Alligator

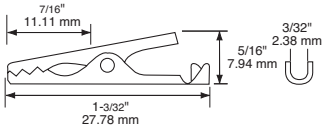
Model # BU-30/BU-30C

Solder or crimp connection

Jaw opens 0.188" (4.8 mm) max

Material: nickel-plated steel (BU-30) or solid copper (BU-30C)

Length: 1.1" (27.78mm)



Federal Spec: CID AA59466-001 (BU-30C)

Rating: 5 Amps

Insulator for Miniature Alligator

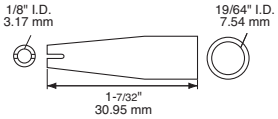
Model # BU-32-*

Protective flexible vinyl insulator for 30, 30C

Material: PVC

Length: 1.63" (41.28mm)

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue, -9 White



Miniature Alligator with Barrel

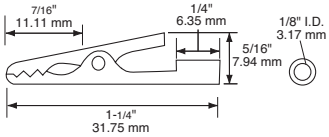
Model # BU-30BL

Solder or crimp connection

Jaw opens 0.188" (4.8 mm) max

Material: nickel-plated steel

Length: 1.25" (31.75mm)



Rating: 5 Amps

Miniature Alligator with Threaded Barrel

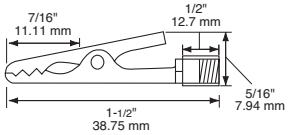
Model # BU-30TBO

6-32 threaded steel barrel connection

Jaw opens 0.188" (4.8 mm) max

Material: nickel-plated steel

Length: 1.5" (38.75mm)



Rating: 5 Amps

Insulator for Mini Alligator Barrel/Threaded Barrel

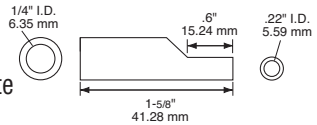
Model # BU-31-*

Protective flexible vinyl insulator for 30BL, 30TBO

Material: PVC

Length: 1.63" (41.28mm)

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue, -9 White



Micro-Alligator

Model # BU-34/BU-34C

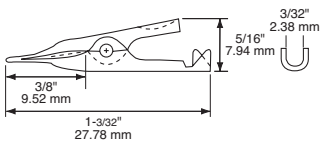
Solder or crimp connection

Jaw opens 0.22" (5.6 mm) max

Material: nickel-plated steel (BU-34) or solid copper (BU-34C)

Length: 1.09" (27.78mm)

Rating: 5 Amps



Insulator for Micro Alligator

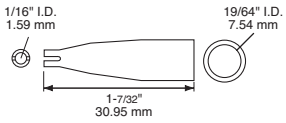
Model # BU-36-*

Protective flexible vinyl insulator for 34, 34C

Material: PVC

Length: 1.22" (30.95mm)

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue, -9 White



Alligator Clip with Barrel

Model # BU-60/BU-60C/BU-60X

Compatible with all shrouded, unshrouded, or retractable 0.16" (4mm) banana plugs

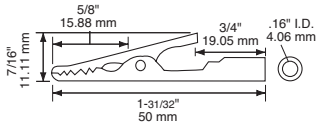
Solder or crimp connection

Jaw opens 0.31" (7.9 mm) max

Material: nickel-plated steel (BU-60), solid copper (BU-60C), solid stainless steel (BU-60X)

Length: 1.97" (50mm)

Rating: 10 Amps



Alligator Clip with Screw

Model # BU-60S/BU-60CS

Compatible with all shrouded, unshrouded, or retractable 0.16" (4mm) banana plugs

6-40 screw connection

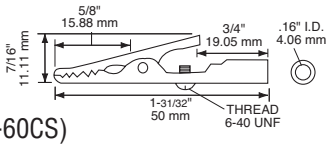
Jaw opens 0.31" (7.9 mm) max

Material: nickel-plated steel (BU-60S) or solid copper (BU-60CS)

Length: 1.97" (50mm)

Federal Spec: CID AA59466-002 (BU-60CS)

Rating: 10 Amps



Phone Tip Alligator Clip

Model # BU-60PR2

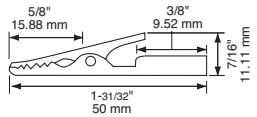
Accepts standard phone tip or test prod tip

Jaw opens 0.31" (7.9 mm) max

Material: nickel-plated steel

Length: 1.97" (50mm)

Rating: 10 Amps



Threaded Barrel Alligator Clip

Model # BU-60TBO

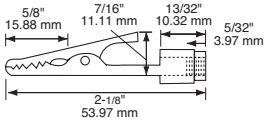
8-32 threaded barrel connection

Jaw opens 0.31" (7.9 mm) max

Material: nickel-plated steel

Length: 2.13" (53.97mm)

Rating: 10 Amps



Alligator Clip

Model # BU-60U

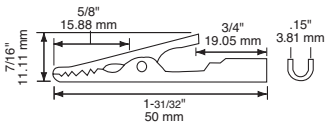
Solder or crimp connection

Jaw opens 0.31" (7.9 mm) max

Material: nickel-plated steel

Length: 1.97" (50mm)

Rating: 10 Amps



Alligator Clip with Cage Spring Barrel

Model # BU-61

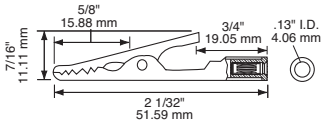
Cage spring connection accepts standard prod needle (0.080 dia.)

Jaw opens 0.31" (7.9 mm) max

Material: nickel-plated steel clip, nickel-plated brass insert, gold plated beryllium copper cage spring

Length: 2.03" (51.59mm)

Rating: 10 Amps



Insulator for Alligator Clips

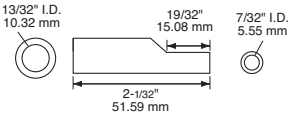
Model # BU-62-*

Protective flexible vinyl insulator for 60, 60C, 60CS, 60PR2, 60S, 60TBO, 60U, 60X and 61

Material: PVC

Length: 2.03" (51.59mm)

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue, -9 White



Alligator Clip with Acetate Handle

Model # BU-60H-*

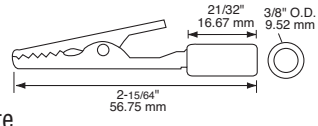
Compatible with all shrouded, unshrouded, or retractable 0.16" (4mm) banana plugs

Jaw opens 0.31" (7.9 mm) max

Material: nickel-plated steel clip; tenite acetate insulated handle

Length: 2.23" (56.75mm)

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue, -9 White



Rating: 10 Amps

Alligator Clip with Acetate Handle and Screw

Model # BU-60HS-*/BU-60CHS-*

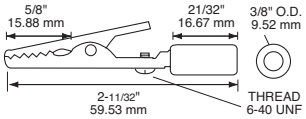
Compatible with all shrouded, unshrouded, or retractable 0.16" (4mm) banana plugs

Jaw opens 0.31" (7.9 mm) max

Material: nickel-plated steel (BU-60HS-*) or solid copper (BU-60CHS-*) clip; tenite acetate insulated handle

Length: 2.34" (59.53mm)

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue, -9 White



Federal Spec: AA59466-003 (red), AA59466-016 (black), (BU-60CHS-*)

Rating: 10 Amps

Phone Tip Alligator Clip with Acetate Handle

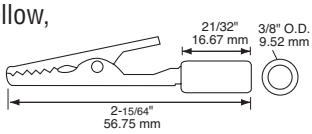
Model # BU-60HPR-*

Accepts standard phone tip or test prod tip

Material: nickel-plated steel clip; tenite acetate insulated handle

Length: 2.23" (56.75mm)

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue, -9 White



Rating: 10 Amps

Insulated Alligator Clip

Model # BU-63-*/BU-63C-*

BU-63-* same as BU-60S and includes a skin-tight, two-piece, flexible insulator

BU-63C-* same as BU-60CS and includes a skin-tight, two piece, flexible insulator

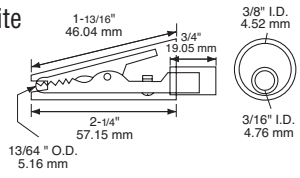
Compatible with all shrouded, unshrouded, or retractable 0.16" (4mm) banana plugs

Material: nickel-plated steel (BU-63-*) or solid copper (BU-63C-*); PVC insulator

Length: 2.25" (57.15mm)

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue, -9 White

Rating: 10 Amps



Alligator Clip

Model # BU-70/BU-70C

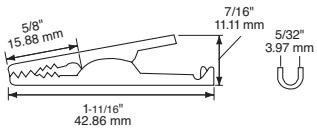
Solder or crimp connection

Jaw opens 0.313" (7.9 mm) max

Material: nickel-plated steel (BU-70) or solid copper (BU-70C)

Length: 1.69" (42.86mm)

Rating: 5 Amps (BU-70) or 10 Amps (BU-70C)



Alligator Clip with Screw

Model # BU-70S/BU-70CS

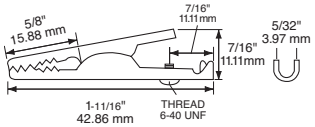
6-40 screw or crimp connection

Jaw opens 0.313" (7.9 mm) max

Material: nickel-plated steel (BU-70S) or solid copper (BU-70CS)

Length: 1.69" (42.86mm)

Federal Spec: AA59466-0017 (BU-70CS-*)



Rating: 5 Amps (BU-70S) or 10 Amps (BU-70CS)

Insulator for Alligator Clip

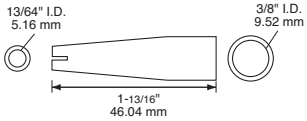
Model # BU-72-*

Protective flexible vinyl insulator for 70, 70C, 70CS, 70S

Material: PVC

Length: 1.81" (46.04mm)

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue, -9 White



Crocodile Clip

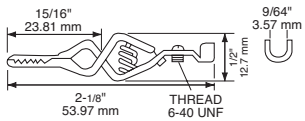
Model # BU-85/BU-85C

Crimp or screw connection

Jaw opens 0.313" (7.9 mm) max

Nesting teeth provide solid contact along entire length of jaw

Material: zinc-plated steel (BU-85) or solid copper (BU-85C)



Length: 2.125" (53.97mm)

Federal Spec: AA59466-005 (BU-85C)

Rating: 5 Amps (BU-85) or 10 Amps (BU-85C)

Insulator for Crocodile Clip

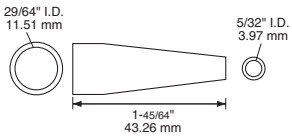
Model # BU-87-*

Protective flexible vinyl insulator for 85, 85C

Material: PVC

Length: 1.7" (43.26mm)

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue, -9 White



Small Safety Alligator Clip

Model # BU-651-*

Compatible with all shrouded, unshrouded, or retractable 0.16" (4mm) banana plugs

Jaw opens 0.27" (7 mm) max

Material: nickel-plated steel clip, glass-filled nylon housing

Length: 2.24" (57mm)

***Std. Colors**: -0 Black, -2 Red

Rating: 1000 V category II, 600V category III, 20 Amps, IEC 1010 Compliant

Small Safety Alligator Clip with Extended Banana Jack

Model # BU-652-*

Compatible with all shrouded, unshrouded, or retractable 0.16" (4mm) banana plugs

Jaw opens 0.27" (7 mm) max

Material: nickel-plated steel clip, glass-filled nylon housing

Length: 3.24" (82mm)

***Std. Colors**: -0 Black, -2 Red

Rating: 1000 V category II, 600V category III, 20 Amps, IEC 1010 Compliant

Large Safety Alligator Clip

Model # BU-65-*

Compatible with all shrouded, unshrouded, or retractable 0.16" (4mm) banana plugs

Jaw opens 0.75" (19 mm) max

Material: nickel-plated steel clip, glass-filled nylon housing

Length: 3.23" (82.04mm)

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -6 Blue

Rating: 1000 V, 30 Amps, IEC 1010 Compliant

Large Flanged Safety Alligator Clip

Model # BU-654-*

Compatible with all shrouded, unshrouded, or retractable 0.16" (4mm) banana plugs

Jaw opens 1.00" (26 mm) max

Material: nickel-plated steel clip, glass-filled nylon housing

Length: 3.19" (81mm)

***Std. Colors**: -0 Black, -2 Red

Rating: 1000 V category II, 600V category III, 20 Amps, IEC 1010 Compliant

Pee-Wee Clip

Model # BU-45/BU-45C

Screw or crimp connection

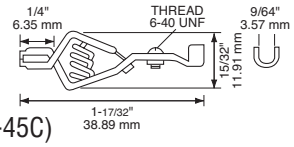
Jaw opens 0.31" (7.9 mm) max

Material: zinc-plated steel (BU-45) or solid copper (BU-45C)

Length: 1.53" (38.89mm)

Federal Spec: CID AA59466-006 (BU-45C)

Rating: 5 Amps (BU-45) or 10 Amps (BU-45C)



Insulator for Pee-Wee Clip

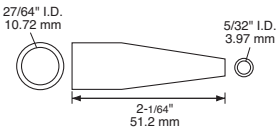
Model # BU-47-*

Protective flexible vinyl insulator for 45, 45C

Material: PVC

Length: 2.02" (51.2 mm)

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue, -9 White



Economy Clip

Model # BU-55

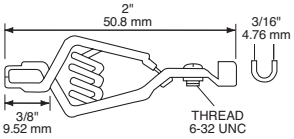
Screw or crimp connection

Jaw opens 0.44" (11.1 mm) max

Material: zinc-plated steel

Length: 2" (50.8mm)

Rating: 10 Amps



Insulator

Model # BU-74-*

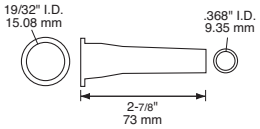
Protective flexible vinyl insulator for 55

Accepts 0.27" (7 mm) ignition wire

Material: PVC

Length: 2.875" (73mm)

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue, -9 White



Automotive Analyzer Clip

Model # BU-48B/BU-48C

Screw or crimp connection

Jaw opens 0.5" (12.7 mm) max

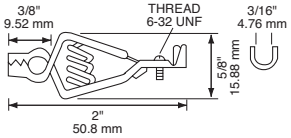
Teeth mesh on three sides of the jaw

Material: zinc-plated steel (BU-48B) or solid copper (BU-48C)

Length: 2" (50.8mm)

Federal Spec: CID AA59466-007 (BU-48C)

Rating: 10 Amps (BU-48B) or 20 Amps (BU-48C)



Automotive Analyzer Clip

Model # BU-48B2E

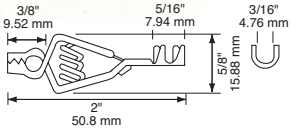
Screw or double crimp connection

Jaw opens 0.5" (12.7 mm) max

Material: zinc-plated steel

Length: 2" (50.8mm)

Rating: 10 Amps



Meter Testing Clip With Needle

Model # BU-50C

Solid copper clip with beryllium copper piercing needle in the top jaw

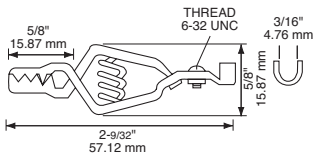
Jaw opens 0.5" (12.7 mm) max

Material: Solid copper

Length: 2.28" (57.12mm)

Federal Spec: CID AA59466-013

Rating: 20 Amps



Meter Testing Clip

Model # BU-51C

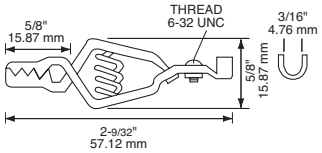
Same as BU-50C except without insulation piercing needle

Jaw opens 0.5" (12.7 mm) max

Material: Solid copper

Length: 2.28" (57.12mm)

Rating: 20 Amps



Insulator for Automotive Analyzer Clip

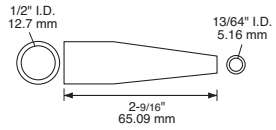
Model # BU-49-*

Protective flexible vinyl insulator for 48B, 48B2E, 48C, 50C, 51C, 55, 95

Material: PVC

Length: 2.56" (65.09mm)

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue, -9 White



General Purpose Clip

Model # BU-27/BU-27C

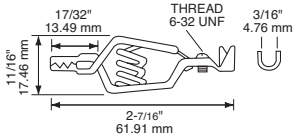
Crimp or screw connection; jaw opens 0.625" (16 mm) max

Material: zinc-plated steel (BU-27) or solid copper (BU-27C); *Spring*: steel

Length: 2.44" (61.9mm)

Federal Spec: CID AA59466-008 (BU-27C)

Rating: 20 Amps (BU-27) or 40 Amps (BU-27C)



Geophone Clip

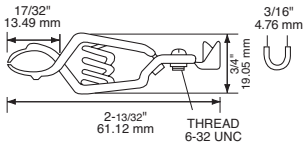
Model # BU-27CG/BU-27CGW

Crimp or screw connection; jaw opens 0.625" (16 mm) max; curved jaws clip on to seismograph rings

Material: solid copper; *Spring*: steel

Length: 2.4" (61.1mm)

Rating: 40 Amps



General Purpose/Geophone Clips

Model # BU-29-*

Protective flexible vinyl insulator for 27, 27C, 27CG, 27CGW

Material: PVC

Length: 3.5" (88.9mm)

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue, -9 White

Insulator for General Purpose/Geophone Clips

Model # BU-90-*

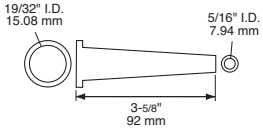
Protective flexible vinyl insulator for 27, 27C, 27CG and 27CGW

Accepts larger wires or cables than BU-29-*

Material: PVC

Length: 3.375" (92mm)

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue, -9 White



Heavy Duty Clip

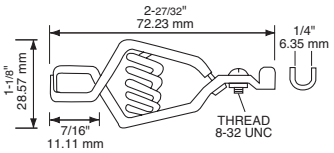
Model # BU-24APN/BU-24APS

Crimp or screw connection; jaw opens 0.75" (19 mm) max; clip unmarked (BU-24APN) and marked positive (BU-24APS)

Material: zinc-plated steel; *Spring*: steel

Length: 2.84" (72.23mm)

Rating: 25 Amps



Automotive Clip

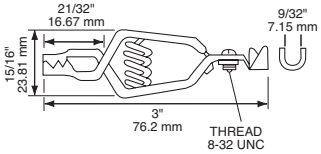
Model # BU-25/BU-25C

Crimp or screw connection; jaw opens 0.75" (19 mm) max; teeth mesh on three sides of the jaw

Material: zinc-plated steel (BU-25) or solid copper (BU-25C); *Spring*: steel

Length: 3" (72.6mm)

Federal Spec: CID AA59466-009 (BU-25C)



Rating: 40 Amps (BU-25) or 75 Amps (BU-25C)

Insulator for Automotive Clip

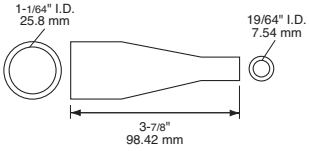
Model # BU-26-*

Protective flexible vinyl insulator for 24A, 25, 25C

Material: PVC

Length: 3.88" (98.4 mm)

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue, -9 White



Heavy Duty Clip for Battery and Test Work

Model # BU-21APN/BU-21APS/BU-21CPN/BU-21CPS

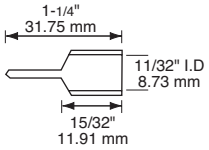
Crimp or screw connection; copper version (21C) equipped with removable copper lug; jaw opens 1.06" (27 mm) max; clip unmarked (BU-21APN/CPN) and marked positive (BU-21APS/CPS)

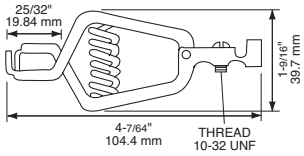
Material: zinc-plated steel (21A) or solid copper (21C); *Spring*: steel

Length: 4.11" (104.4mm)

Federal Spec: CID AA59466-010 (BU-21CPN)

Rating: 50 Amps (21A) or 100 Amps (21C)





Insulator for Heavy Duty Battery Test Clip

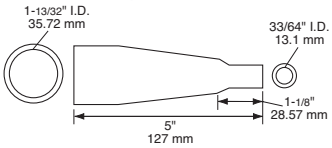
Model # BU-23-*

Protective flexible vinyl insulator for 21A, 21C

Material: PVC

Length: 5" (127mm)

***Std. Colors:** -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue, -9 White



Heavy Duty Clip for Grounding Applications

Model # BU-11APN/BU-11APS/BU-11CPN/BU-11CPS

Copper version has a lug connection

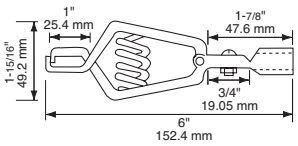
Jaw opens 1.625" (41.3 mm) max

Clip unmarked (BU-11APN/CPN) and marked positive (BU-11APS/CPS)

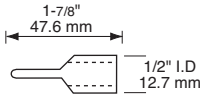
Material: zinc-plated steel (11A) or solid copper (11C); *Spring*: steel

Length: 6" (152.4 mm)

Federal Spec: CID AA59466-011 (BU-11CPN)



Rating: 100 Amps (11A) or 200 Amps (11C)



Insulator for Heavy Duty Clip

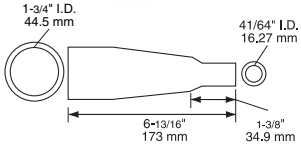
Model # BU-13-*

Protective flexible vinyl insulator for 11A, 11C

Material: PVC

Length: 6.8" (173mm)

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue, -9 White



Welding Clip

Model # BU-33C

Lug connection

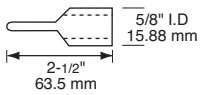
Jaw opens 1.81" (46 mm) max

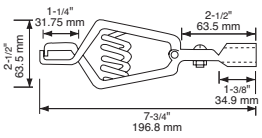
Material: solid copper

Length: 7.75" (196.8mm)

Federal Spec: CID AA59466-012

Rating: 300 Amps





Insulator for Welding Clip

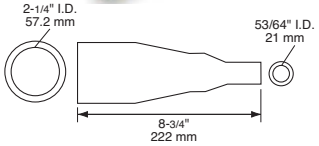
Model # BU-35-*

Protective flexible vinyl insulator for 33C

Material: PVC

Length: 8.75" (222mm)

***Std. Colors**: -0 Black, -2 Red,



Grounding Clamp

Model # BU-58

Attaches to pipe up to 1 3/8" outer diameter

Material: zinc-plated steel

Length: 2.31" (58.75mm)

Rating: 50 Amps

Micro Plier-Type Clip

Model # BU-40A-*/BU-40C-*

Solder or crimp connection

Jaw opens 0.75" (19 mm) max

Material: nickel-plated steel (BU-40A) or solid copper (BU-40C), PVC insulator (BU-42PR-*)

Length: 2.3" (58mm)

***Std. Colors**: Insulator (BU-42PR-*)" -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue, -9 White

Rating: 15 Amps (BU-40A), 20 Amps (BU-40C)

Insulator for Micro Plier-Type Clip

Model # BU-42PR-*

Protective flexible vinyl insulator for BU-40

Material: PVC

Length: 1" (25.4mm)

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue, -9 White

Miniature Plier-Type Clip

Model # BU-46A-*/BU-46C-*

Solder or crimp connection

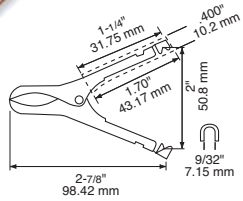
Jaw opens 1.125" (28.6 mm) max

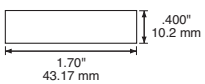
Material: copper-plated steel (BU-46A) or solid copper (BU-46C), PVC insulator (BU-46PR-*)

Length: 2.88" (98.42mm)

***Std. Colors**: Insulator (BU-46PR-*) in -0 Black, -2 Red

Rating: 50 Amps (46A) or 75 Amps (46C)





Insulator for Miniature Plier-Type Clip

Model # BU-46PR-*

Protective flexible vinyl insulator for BU-46

Material: PVC

Length: 1.7" (43.18mm)

***Std. Colors**: -0 Black, -2 Red,

Plier-Type Clip

Model # BU-41A-*/BU-41APN/BU-41C-*/BU-41CPN

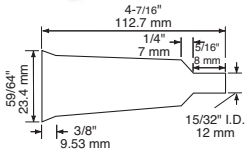
Jaw opens 1.625" (41.3 mm) max

Locks on to both side and top mounted battery terminals

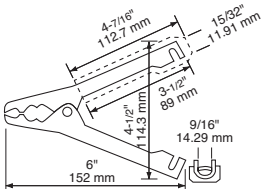
Material: copper-plated steel (BU-41A) or solid copper (BU-41C), PVC insulator (BU-43PR-*)

Length: 6" (152mm)

***Std. Colors**: Insulator (BU-43PR-*) in -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue, -9 White



Federal Spec: CID AA59466-014 BU-41-CPS-VZZZ-2 (red) and CID AA59466-015, BU-41CPN-VZZZ-0 (black)



Rating: 200 Amps (41A) or 400 Amps (41C)

Insulator for Plier-Type Clip

Model # BU-43PR-*

Protective flexible vinyl insulator for BU-41

Material: PVC

Length: 4.4" (112.73mm)

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue, -9 White

Insulated Battery Clip

Model # BU-102B-*/BU-102BK-*

Fully insulated clip with serrated jaws; BU-102BK-* has Kelvinized isolated jaws and no copper shunt

Material: *Housing*: glass filled nylon; *Jaw*: copper; *Spring*: music wire, zinc plated

Length: 6.5" (165mm)

***Std. Colors**: -0 Black, -2 Red

Rating: 300 Amps

Insulated Welding Clip

Model # BU-102W-*

Fully insulated clip with serrated contact pad and braided copper shunt

Material: *Housing*: glass filled nylon; *Jaw*: copper; *Spring*: music wire, zinc plated

Length: 6.5" (165mm)

***Std. Colors**: -0 Black, -2 Red

Rating: 400 Amps

Epoxy Coated Battery Clip

Model # BU-X15400-*

Jaw opens 1.50" (38.1 mm) max

Locks on to both side and top mounted battery terminals

Material: steel, epoxy coated clips with copper plated jaws

Length: 6.75" (171.45mm)

***Std. Colors**: -0 Black, -2 Red

Rating: 200 Amps

Kelvin Clip

Model # BU-75K

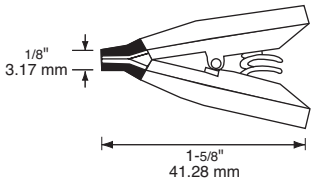
Jaw opens 0.313" (7.9 mm) max

Isolated jaws

Material: Silver/Gold tip contacts, nylon housing

Length: 1.625" (41.28mm)

Rating: 10 Amps



Kelvin Clip

Model # BU-78K

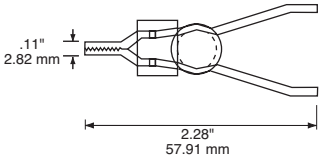
Jaw opens 0.5" (12 mm) max

Isolated jaws

Material: Gold contacts

Length: 2.28" (57.91mm)

Rating: 10 Amps



Small Angled Nose Telecom Clip with Bed of Nails

Model # JP-25182-*

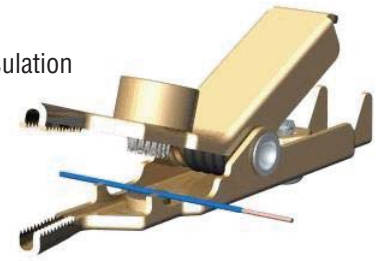
Mueller – J.S. Popper brand

Jaw opens 1.0" (25.4mm)

Uses bed of nails to pierce insulation

Material: nickel-silver jaws; includes brass screw, brass nut, brass washer, and bronze star washer

Length: 2.34" (59.4mm)



Connection Options: -N Without Hardware, -L With Loose Hardware, -J Banana Jack, -TJ Threaded Banana Jack

Large Angled Nose Telecom Clip with Single Spike

Model # JP-8099-*

Mueller – J.S. Popper brand

Jaw opens 1.0" (25.4mm)

Uses single spike to pierce insulation

Material: nickel-silver jaws; includes brass screw, brass nut, brass washer, and bronze star washer

Length: 2.61" (66.4mm)

Connection Options: -N Without Hardware, -L With Loose Hardware, -J Banana Jack, -TJ Threaded Banana Jack

Large Angled Nose Telecom Clip with Hex Screw Attached Single Spike

Model # JP-8078-*

Mueller – J.S. Popper brand

Jaw opens 1.0" (25.4mm)

Uses single spike to pierce insulation

Material: nickel-silver jaws; includes brass screw, brass nut, brass washer, and bronze star washer

Length: 2.61" (66.4mm)

Connection Options: -N Without Hardware, -L With Loose Hardware, -J Banana Jack, -TJ Threaded Banana Jack

Large Angled Nose Telecom Clip with Bed of Nails and Single Spike

Model # JP-8783-***

Mueller – J.S. Popper brand

Jaw opens 1.0" (25.4mm)

Uses single spike and bed of nails to pierce insulation

Material: nickel-silver jaws; includes brass screw, brass nut, brass washer, and bronze star washer

Length: 2.61" (66.4mm)

Connection Options: -N Without Hardware, -L With Loose Hardware, -J Banana Jack, -TJ Threaded Banana Jack

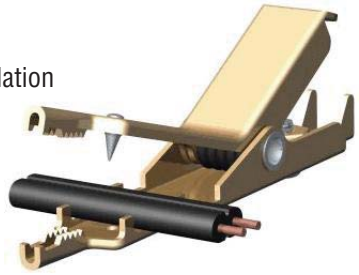
Large Straight Nose Telecom Clip with Single Spike

Model # JP-33699-***

Mueller – J.S. Popper brand

Jaw opens 1.0" (25.4mm)

Uses single spike to pierce insulation



Material: nickel-silver jaws; includes brass screw, brass nut, brass washer, and bronze star washer

Length: 2.61" (66.4mm)

Connection Options: -N Without Hardware, -L With Loose Hardware, -J Banana Jack, -TJ Threaded Banana Jack

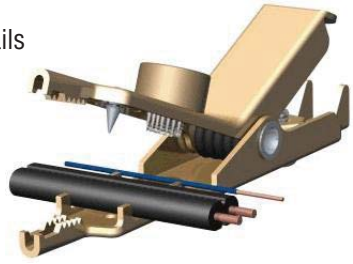
Large Straight Nose Telecom Clip with Bed of Nails and Single Spike

Model # JP-33674-***

Mueller – J.S. Popper brand

Jaw opens 1.0" (25.4mm)

Uses single spike and bed of nails to pierce insulation



Material: nickel-silver jaws; includes brass screw, brass nut, brass washer, and bronze star washer

Length: 2.61" (66.4mm)

Connection Options: -N Without Hardware, -L With Loose Hardware, -J Banana Jack, -TJ Threaded Banana Jack

Contact Clip with Bed of Nails

Model #JP-5869-B

Mueller – J.S. Popper brand

Jaw opens 0.52" (13.2mm)

Uses bed of nails to pierce insulation

Material: steel

Length: 2.4" (61.0mm)

Contact Clip with Circle of Nails

Model # JP-5869-C

Mueller – J.S. Popper brand

Jaw opens 0.52" (13.2mm)

Uses circle of points to pierce insulation

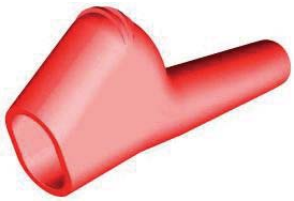
Material: steel

Length: 2.4" (61.0mm)

Insulator for Telecom Clips

Model # JP-8681-*

Mueller – J.S. Popper brand



Protective flexible vinyl insulator for 25182, 8099, 8078, 8783, 33699, 33674

Material: PVC

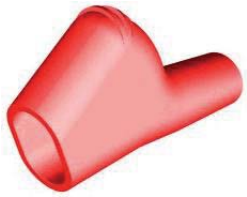
Length: 2.4" (61.0mm)

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue, -9 White

Cut Insulator for Telecom Clips

Model # JP-8681-C*

Mueller – J.S. Popper brand



Protective flexible vinyl insulator for telecom clips with banana jack or threaded banana jack connections

Material: PVC

Length: 1.8" (45.7mm)

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue, -9 White

Mueller's jacks, binding posts and banana plugs ensure a reliable connection. All plug bodies are nickel-plated brass. Shielded jacks provide additional user safety where it is required.

Color Key		
0=Black	4=Yellow	6=Blue
2=Red	5=Green	9=White

Banana Plug With 8-32 Thread

Model # BU-00226-*

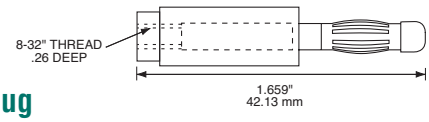
Nine leaf cage spring 4mm banana plug

Material: *Banana Plug*: nickel-plated brass body; *Spring*: nickel-plated phosphor bronze; *Insulator*: ABS

Length: 1.66" (42.13mm)

***Std. Colors**: -0 Black, -2 Red

Rating: 1000 Volts, 15 Amps (hands free)



Threaded Banana Plug

Model # BU-00241

Material: *Banana Plug*: nickel-plated brass body; *Spring*: nickel-plated phosphor bronze

Length: 1.21" (31mm)

Rating: 15 Amp

Solderless Banana Plug

Model # BU-00243-*

Material: *Banana Plug*: nickel-plated brass body; *Spring*: nickel-plated phosphor bronze; *Insulator*: ABS

Length: 1.1" (28mm)

***Std. Colors**: -0 Black, -2 Red

Rating: 15 Amp

Solderless Banana Plug-Hex Design

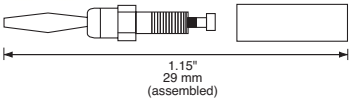
Model # BU-00244-*

Material: *Banana Plug*: nickel-plated brass body; *Spring*: nickel-plated phosphor bronze; *Insulator*: ABS

Length: 1.15" (29mm)

***Std. Colors**: -0 Black, -2 Red

Rating: 15 Amps



Set Screw Banana Plug

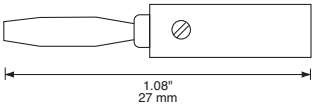
Model # BU-00245-*

Material: *Banana Plug*: nickel-plated brass body; *Spring*: nickel-plated phosphor bronze; *Insulator*: ABS

Length: 1.08" (27mm)

***Std. Colors**: -0 Black, -2 Red

Rating: 15 Amps



Tapered Handle Banana Plug

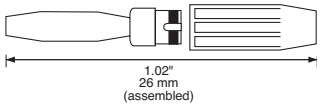
Model # BU-00246-*

Material: *Banana Plug*: nickel-plated brass body; *Spring*: nickel-plated phosphor bronze; *Insulator*: ABS

Length: 1.02" (26mm)

***Std. Colors**: -0 Black, -2 Red

Rating: 15 Amps



Stackable Banana Plug

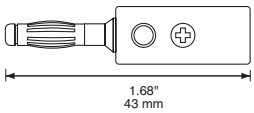
Model # BU-00249-*

Material: *Banana Plug*: nickel-plated brass body; *Spring*: nickel-plated phosphor bronze; *Insulator*: ABS

Length: 1.68" (43mm)

***Std. Colors**: -0 Black, -2 Red

Rating: 15 Amps



Unshrouded Stackable Banana Plug

Model # BU-16-*

Material: *Banana Plug*: nickel-plated brass body; *Spring*: nickel-plated beryllium copper; *Insulator*: Nylon

Length: 1.88" (47.7mm)

***Std. Colors**: -0 Black, -2 Red

Rating: 1000 Volts, 15 Amps (Hands free)

Insulated Stackable Banana Plug

Model # BU-31101-*

Material: *Banana Plug*: nickel-plated brass body; *Spring*: nickel-plated beryllium copper; *Insulator*: nylon

Length: 2.45" (62.23mm)

***Std. Colors**: -0 Black, -2 Red

Rating: 20 Amps

Cable Mountable 4mm Shrouded Banana Plug

Model # BU-32603-*

Material: *Banana Plug*: nickel-plated brass; *Insulator*: nylon

Length: 1.91" (48.5mm)

***Std. Colors**: -0 Black, -2 Red

Rating: 1000V, category III, 1500V, category II, 20 Amps, IEC 1010 Compliant

Insulated Banana Jack To Standard Banana Plug

Model # BU-32101-*

Material: *Banana Plug*: nickel-plated brass body; *Spring*: nickel-plated beryllium copper; *Insulator*: nylon

Length: 2.61" (66.3mm)

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -6 Blue

Rating: 1000 V, 15 Amps (hands free), IEC 1010 Compliant

Insulated Banana Coupler

Model # BU-32601-*

Material: *Banana Plug*: nickel-plated brass; *Insulator*: nylon

Length: 2.50" (63.5mm)

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -6 Blue

Rating: 1000V, 15 Amps, IEC 1010 Compliant

Dual Banana Plug

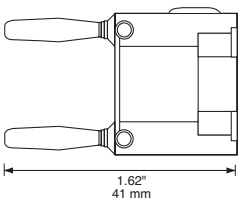
Model # BU-00247-*

Material: *Banana Plug*: nickel-plated brass body; *Spring*: nickel-plated phosphor bronze; *Insulator*: PVC

Length: 1.62" (41mm)

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue

Rating: 15 Amps



Insulated Banana Jack

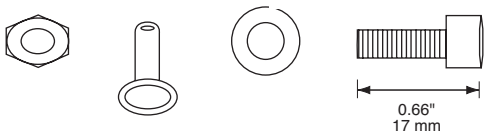
Model # BU-00233-*

Material: *Banana Jack*: nickel-plated brass body; *Insulator*: nylon

Length: 0.66" (17mm)

***Std. Colors**: -0 Black, -2 Red

Rating: 15 Amp



Insulated Phone Tip Jack

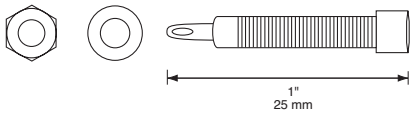
Model # BU-00234-*

Material: *Banana Jack*: nickel-plated brass body; *Spring*: nickel-plated phosphor bronze; *Insulator*: ABS

Length: 1" (25mm)

***Std. Colors**: -0 Black, -2 Red

Rating: 15 Amp



Pressfit Insulated Banana Jack with Solder Pin Connection

Model # BU-31602-*

Material: *Banana Plug*: nickel-plated brass; *Insulator*: Dupont 101L

Length: 1.25" (31.75mm)

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -6 Blue

Rating: 1000 V, 15 Amps, IEC 1010 Compliant

Pressfit Insulated Banana Jack with Spade Connection

Model # BU-31603-*

Material: *Banana Plug*: nickel-plated brass; *Insulator*: Dupont 101L

Length: 1.37" (34.8mm)

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -6 Blue

Rating: 1000 V, 15 Amps, IEC 1010 Compliant

Slim-Line Five Way Binding Post-Threaded

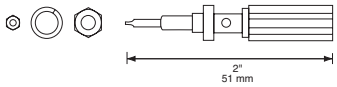
Model # BU-00281-*

Material: *Post*: nickel-plated brass; *Insulator*: nylon

Length: 2" (51mm)

***Std. Colors**: -0 Black, -2 Red

Rating: 15 Amps



Five-Way Binding Post

Model # BU-00282-*

Material: *Post*: nickel-plated brass; *Insulator*: nylon

Length: 2.10" (53mm)

***Std. Colors**: -0 Black, -2 Red

Rating: 15 Amps

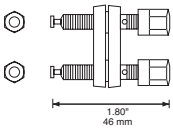
Dual Five-Way Binding Post

Model # BU-00283

Material: *Post*: nickel-plated brass; *Insulator*: nylon

Length: 1.80" (46mm)

Rating: 15 Amps



Screw-in Safety Socket with Stud and Metal Nut

Model # BU-31607-*

Material: *Hardware*: nickel-plated brass; *Insulator*: ABS-nylon composite

Length: 1.53" (39mm)

***Std. Colors**: -0 Black, -2 Red

Rating: 600V, category III, 1000V, category II, 35 Amps, IEC 1010 Compliant

Screw-in Safety Socket with Spade and Metal Nut

Model # BU-31609-*

Material: *Hardware*: nickel-plated brass; *Insulator*: ABS-nylon composite

Length: 1.26" (32mm)

***Std. Colors**: -0 Black, -2 Red

Rating: 600V, category III, 1000V, category II, 35 Amps, IEC 1010 Compliant

Grabbers, Probes and Spade Terminals

Mueller grabber clips and test probes are available in a wide variety of sizes to ensure that even the most hard to reach test point is easily accessible. We provide a fast and easy connection to terminals and component test leads.

Color Key		
0=Black	4=Yellow	6=Blue
2=Red	5=Green	9=White

Plunger Clip

Model # BU-00201-*/BU-00202-*/BU-00203-*

Material: *Cap & Body*: glass filled nylon; *Spring*: stainless steel; *Contact*: beryllium copper; insulated to a single contact point

Length: 1.75" (44mm) (BU-00201-*); 2.50" (63mm) (BU-00202-*); 3.50" (88mm) (BU-00203-*)

***Std Colors**: -0 black, -2 red

Rating: 1000 Volts, 10 Amps

Safety Plunger Clip Adapter

Model # BU-00207-*

Material: *Cap & Body*: nylon; *Spring*: stainless steel; *Contact*: beryllium copper

Length: 2.23" (56.64mm)

***Std Colors**: -0 Black, -2 Red

Rating: 1000 Volts, 15 Amps

Mini-Micro Plunger Clip

Model # BU-00208-*

Material: *Cap & Body*: tough, durable nylon; *Spring*: stainless steel compression coil; *Contact*: gold-plated beryllium copper

Length: 1.75" (44mm)

***Std Colors**: -0 Black, -2 Red

Rating: 600 Volts, 3 Amps

Right Angle Insulated Plunger Hook Clip

Model # BU-20431-*

Compatible with all shrouded, unshrouded, or retractable 0.16" (4mm) banana plugs

Material: *Housing*: nylon. *Contact*: nickel-plated beryllium copper

Length: 4.60" (116.84mm); the hook extends 0.41" (10mm) when fully depressed

***Std Colors**: -0 Black, -2 Red, -4 Yellow, -6 Blue

Rating: 1000V, 15 Amps, IEC 1010 Compliant

Right Angle Insulated Plunger Clamp Clip

Model # BU-20432-*/BU-20433-*

Compatible with all shrouded, unshrouded, or retractable 0.16" (4mm) banana plugs

Material: *Housing*: nylon;
Contact: nickel-plated beryllium copper

Length: 5.50" (139.7mm) (BU-20432-*); 7.50" (190.5mm) (BU-20433-*)

***Std Colors**: -0 Black, -2 Red, -4 Yellow, -6 Blue

Rating: 1000V, 1 Amps, IEC 1010 Compliant

Right Angle Insulated Plunger Jaw Clip

Model # BU-20434-*

Compatible with all shrouded, unshrouded, or retractable 0.16" (4mm) banana plugs

Material: *Housing*: nylon;
Contact: nickel-plated steel

Length: 5.26" (133.6mm); the steel jaws extend 0.48" (12mm) and open to 1" (25mm)

***Std Colors**: -0 Black, -2 Red, -4 Yellow, -6 Blue

Rating: 1000V, 15 Amps, IEC 1010 Compliant

Insulated Plug-On Test Prod With Stainless Steel Tip

Model # BU-26101-*

Compatible with all shrouded, unshrouded, or retractable 0.16" (4mm) banana plugs

Material: *Housing*: nylon;
Contact: nickel-plated brass

Length: 3" (76.2mm)

***Std Colors**: -0 Black, -2 Red, -4 Yellow, -6 Blue

Rating: 1000V, 20 Amps, IEC 1010 Compliant

Insulated Plug-On Test Prod With 8-32 Thread

Model # BU-26106-*

Compatible with all shrouded, unshrouded, or retractable 0.16" (4mm) banana plugs

Material: *Housing*: nylon;
Contact: nickel-plated brass

Length: 3.3" (83mm)

***Std Colors**: -0 Black, -2 Red, -4 Yellow, -6 Blue

Rating: 1000V, 20 Amps, IEC 1010 Compliant

Ultra Tech Test Prod

Model # BU-26130-*

Compatible with all shrouded, unshrouded, or retractable 0.16" (4mm) banana plugs

Material: *Housing*: nylon;
Contact: nickel-plated brass

Length: 6.27" (159.3mm)

***Std Colors**: -0 Black, -2 Red, -4 Yellow, -6 Blue

Rating: 1000V, IEC 1010 Compliant

Safety Spade Terminal

Model # BU-30214-*

Compatible with all shrouded, unshrouded, or retractable 0.16" (4mm) banana plugs

Material: *Housing*: ABS-nylon;
Contact: nickel-plated brass

Length: 2.55" (64.8mm)

***Std Colors**: -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue

Rating: 1000V, category III, 1500V, category II, 30 Amps, IEC 1010 Compliant

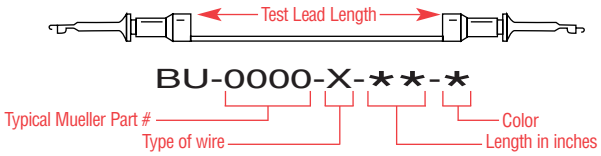
Test Leads and Patch Cords

Mueller manufactures a full line of test and interconnection leads for almost any application. For nearly a century, technicians and engineers have looked to Mueller as "perfection…for the best connection."

Wire Table

Designation	AWG	Description	O.D.	Insulation	Temp	Rating
M	18	413/44 copper	.140" (3.56mm)	Silicone	150°C/-80°C	3000V, 22A
N	18	65/36 tinned copper	.140" (3.56mm)	PVC	80°C/-50°C	5000V, 6.5A
A	20	41/36 tinned copper	.088" (2.24mm)	PVC	105°C/-25°C	300V, 6.5A
E	22	19/34 tinned copper	.062" (1.56mm)	PVC	105°C/-55°C	1000V, 600V UL1483, 300V UL1509, 3.5A)
D	18	65/36 tinned copper	.140" (3.56mm)	PVC	90°C	3000V, 6.5A

Order Key



Coaxial Cables

Rating

B RG-58C/U
C RG-58C/U connected to 20AWG with Y-block
F RG-174C/U
L Twisted Pair Cable

Micro-Plunger Clip on Both Ends

Model # BU-1010-A--***

Mini-Plunger Clip on Both Ends

Model # BU-1111-A--***

Material: *Hook-up Wire*: #20 (41/36) AWG tinned copper with 105˚C PVC insulation; *Plunger*: nylon housing, stainless steel spring, beryllium copper contact

****Length**: -12" (.3m), 24" (.6m), 36" (.9m), 48" (1.2m), 60" (1.5m)

***Std. Colors**: -0 Black, -2 Red

Rating: Hands free testing at 300V Category II, 5 Amps

Mini-Plunger to Stackable Banana Plug

Model # BU-1120-A--***

Material: *Banana Plug*: ABS housing, brass body and beryllium copper, nickel-plated, nine-leaf cage spring; *Hook-up Wire*: #20 (41/36) AWG tinned copper with 105˚C PVC insulation; *Plunger*: nylon housing, stainless steel spring and beryllium copper contact

****Length**: -12" (.3m), 24" (.6m), 36" (.9m), 48" (1.2m), 60" (1.5m)

***Std. Colors**: -0 Black, -2 Red

Rating: Hands free testing at 300V, 5 Amps

Mini-Plunger to BNC Male with RG58

Model # BU-1150-C--0**

Material: *BNC Connector*: MIL-C-30912, gold-plated center contact and silver-plated body; *Coaxial Cable*: shielded RG58C/U, MIL-C-17F, 50 ohm; *Plunger*: nylon housing, stainless steel spring and beryllium copper contact

****Length**: -12" (.3m), 24" (.6m), 36" (.9m), 48" (1.2m), 60" (1.5m)

Rating: Hands free testing at 300 VRMS

Mini-Micro-Plunger to Stackable Banana Plug

Model # BU-1420-A--***

Material: *Banana Plug*: ABS housing, brass body and beryllium copper, nickel-plated, nine-leaf cage spring; *Hook-up Wire*: #20 (41/36) AWG tinned copper with 105˚C PVC insulation; *Plunger*: nylon housing, stainless steel spring and gold-plated, beryllium copper contact

****Length**: -12" (.3m), 24" (.6m), 36" (.9m), 48" (1.2m), 60" (1.5m)

***Std. Colors**: -0 Black, -2 Red

Rating: Hands free testing at 300V, 5 Amp

Stackable Single Banana Plugs on Both Ends

Model # BU-2020-A--***

Material: *Banana Plug*: ABS housing, brass body and beryllium copper, nickel-plated, nine-leaf cage spring; *Hook-up Wire*: #20 (41/36) AWG tinned copper with 105˚C PVC insulation

****Length**: -12" (.3m), 24" (.6m), 36" (.9m), 48" (1.2m), 60" (1.5m)

***Std. Colors**: -0 Black, -2 Red

Rating: hands free testing at 300V, 10 Amps

Insulated Alligator Clip to Stackable Banana Plug

Model # BU-2030-A--***

Material: *Banana Plug*: ABS housing, brass body and beryllium copper, nickel-plated, nine-leaf cage spring; *Alligator Clip*: nickel-plated steel with PVC insulator; *Hook-up Wire*: #20 (41/36) AWG tinned copper with 105˚C PVC insulation

****Length**: -12" (.3m), 24" (.6m), 36" (.9m), 48" (1.2m), 60" (1.5m)

***Std. Colors**: -0 Black, -2 Red

Rating: hands free testing at 300V, 10 Amps

Insulated Mini-Alligator Clip to Stackable Banana Plug

Model # BU-2031-A--***

Material: *Banana Plug*: ABS housing, brass body and beryllium copper, nickel-plated, nine-leaf cage spring; *Alligator Clip*: nickel-plated steel with PVC insulator; *Hook-up Wire*: #20 (41/36) AWG tinned copper with 105˚C PVC insulation

****Length**: -12" (.3m), 24" (.6m), 36" (.9m), 48" (1.2m), 60" (1.5m)

***Std. Colors**: -0 Black, -2 Red

Rating: Hands free testing at 300V, 10 Amp

Multiple Feature Test Prod to Right Angle Shrouded Banana Plug

Model # BU-2241-D-48-*

Material: *Needle*: stainless steel; *Banana plugs*: nickel-plated brass; *Housing*: ABS; *Hook-up wire*: #18 AWG (65/36) tinned copper with 90˚C PVC insulation

***Std. Colors**: -0 Black, -2 Red

Rating: 1000V Category II, 20 Amps

Shrouded Right Angle Banana Plug

Model # BU-2243-D-48-*

The stainless steel probe is Teflon® insulated except for the working end to prevent unwanted contact with other components that may be in the way

Material: *Needle*: stainless steel; *Banana Plugs*: nickel-plated brass; *Housing*: ABS; *Hook-up wire*: #18 AWG (65/36) tinned copper with 90˚C PVC insulation

***Std. Colors**: -0 Black, -2 Red

Rating: 600V Category II, 20 Amps

Multiple Feature Test Prod to Unshrouded Banana Plug

Model # BU-2641-D-48-*

Material: *Needle*: stainless steel; *Banana Plugs*: nickel-plated brass; *Housing*: ABS; *Hook-up wire*: #18 AWG (65/36) tinned copper with 90˚C PVC insulation

***Std. Colors**: -0 Black, -2 Red

Rating: 600V, 10 Amps

Multiple Feature Test Prod to Unshrouded Right Angle Banana Plug

Model # BU-2741-D-48-*

Material: *Needle*: stainless steel; *Banana plugs*: nickel-plated brass; *Housing*: ABS; *Hook-up wire*: #18 AWG (65/36) tinned copper with 90˚C PVC insulation

***Std. Colors**: -0 Black, -2 Red

Rating: 600V, 10 Amps

Unshrouded Banana Plugs on Both Ends – Ultra-Flex-Silicone

Model # BU-2929-M--***

Material: *Unshrouded Banana Plugs*: Mueller No. Bu-16-*; *Hook-up wire*: #18 AWG (65/36) tinned copper with 90˚C PVC insulation

****Length**: -10" (.25m), 20" (.5m), 39" (1m)

***Std. Colors**: -0 Black, -2 Red

Rating: Hands free testing at 3 kV, 20 Amps

Shrouded Banana Plug to Safety Test Prod - Silicone

Model # BU-4061-M-39-*

Material: *Banana Plugs*: nickel-plated brass body, nickel-plated beryllium copper spring; *Probe*: stainless steel tip with 8-32 UNC thread; *Hook-up Wire*: #18 AWG, silicone insulator

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -6 Blue

Rating: 1000V, 20 Amps, IEC 1010 compliant

Shrouded Right Angle Banana Plug to Safety Test Prod - Silicone

Model # BU-4062-M-39-*

Material: *Banana Plugs*: nickel-plated brass body, nickel-plated beryllium copper spring; *Probe*: stainless steel tip with 8-32 UNC thread; *Hook-up Wire*: #18 AWG, silicone insulator

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -6 Blue

Rating: 1000V, 20 Amps, IEC 1010 compliant

Stackable 0.080" (2.0mm) Pin Plug on Both Ends

Model # BU-4444-A--***

Tip jack accepts 0.080" (2.0mm) diameter pin jack contact

Material: *Pin Plug*: 0.080" (2.0mm) diameter; 0.500" (12.7mm) long, nickel-plated brass pin tip, nickel-plated beryllium copper spring, ABS housing; *Hook-up Wire*: #22 (19/34) AWG tinned copper with 105˚C PVC insulation

****Length**: -12" (.3m), 24" (.6m), 36" (.9m)

***Std. Colors**: -0 Black, -2 Red

Rating: Hands free testing at 300VAC, 15 Amps

Shrouded Banana Plug on Both Ends – Silicone

Model # BU-6161-M-39-*

Material: *Banana Plugs*: nickel-plated brass body, nickel-plated beryllium copper spring; *Hook-up Wire*: #18 AWG, silicone insulator

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -6 Blue

Rating: 1000V, 20 Amps, IEC 1010 compliant

Right Angle Shrouded Banana Plug to Shrouded Banana Plug - Silicone

Model # BU-6162-M-39-*

Material: *Banana Plugs*: nickel-plated brass body, nickel-plated beryllium copper spring; *Hook-up Wire*: #18 AWG, silicone insulator

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -6 Blue

Rating: 1000V, 20 Amp, IEC 1010 compliant

Stackable Dual Banana Plug to Mini-Micro-Plunger with RG58

Model # BU-7014-B--***

Material: *Plunger*: nylon housing, stainless steel spring and beryllium copper contact; *Double Banana Plug*: ABS housing, brass body and beryllium copper, nickel-plated, nine-leaf cage spring; *Coaxial Cable*: shielded RG58C/U, MIL-C-17F, 50 ohm

****Length**: -12" (.36m), 24" (.6m), 36" (.9m)

***Std. Colors**: -0 Black, -2 Red

Rating: hands free testing at 300 VRMS

Stackable Dual Banana Plug to Stackable Single Banana Plug with RG58

Model # BU-7020-B--***

Material: *Single Banana Plug*: ABS housing, brass body and beryllium copper, nickel-plated, nine-leaf cage spring; *Double Banana Plug*: ABS housing, brass body and beryllium copper, nickel-plated, nine-leaf cage spring; *Coaxial Cable*: shielded RG58C/U, MIL-C-17F, 50 ohm

****Length**: -12" (.36m), 24" (.6m), 36" (.9m)

***Std. Colors**: -0 Black, -2 Red

Rating: Hands free testing at 500 VRMS

Stackable Dual Banana Plug to Mini-Alligator Clip with RG58

Model # BU-7031-B--***

Material: *Alligator clip*: nickel-plated steel with PVC insulator; *Double Banana Plug*: ABS housing, brass body and beryllium copper, nickel-plated, nine-leaf cage spring; *Coaxial Cable*: shielded RG58C/U, MIL-C-17F, 50 ohm

****Length**: -12" (.36m), 24" (.6m), 36" (.9m)

***Std. Colors**: -0 Black, -2 Red

Rating: Hands free testing at 300 VRMS

Stackable Dual Banana Plug to Stackable Pin Plug with RG58

Model # BU-7044-B--***

Material: *Pin Plug*: 0.080" (2.0mm) diameter; 0.500" (12.7mm) long, nickel-plated brass pin tip, nickel-plated beryllium copper spring, ABS housing; *Double Banana Plug*: ABS housing, brass body and beryllium copper, nickel-plated, nine-leaf cage spring; *Coaxial Cable*: shielded RG58C/U, MIL-C-17F, 50 ohm

****Length**: -12" (.36m), 24" (.6m), 36" (.9m)

***Std. Colors**: -0 Black, -2 Red

Rating: Hands free testing at 500 VRMS

Stackable Dual Banana Plug on Both Ends with RG58

Model # BU-7070-B--***

Material: *Double Banana Plug*: ABS housing, brass body and beryllium copper, nickel-plated, nine-leaf cage spring; *Coaxial Cable*: shielded RG58C/U, MIL-C-17F, 50 ohm

****Length**: -12" (.3m), 24" (.6m), 36" (.9m), 48" (1.2m), 60" (1.5m)

***Std. Colors**: -0 Black, -2 Red

Rating: Hands free testing at 300 VRMS

Shrouded Dual Banana Plug on Both Ends with RG58

Model # BU-7171-B--0**

Material: *Double Banana Plug*: ABS housing, brass body and beryllium copper, nickel-plated, nine-leaf cage spring; *Coaxial Cable*: shielded #22 AWG (7/30) twisted pair with drain connected to (-) side of one banana plug; side with drain connection is marked; shielded RG58C/U, MIL-C-17F, 50 ohm

****Length**: -12" (.3m), 24" (.6m), 36" (.9m), 48" (1.2m), 60" (1.5m)

Rating: Hands free testing at 500 VRMS

0.025" (.6mm) Square Pin Receptacle on Both Ends

Model # BU-8080-E--***

Material: *Pin Receptacle*: ABS housing, 0.025" (0.6mm) copper-nickel-tin alloy 725 with 0.000030" (0.00076mm) gold contact plating conductor; *Hook-up Wire*: #22 AWG (19/34) tinned copper with 105˚C PVC insulation

****Length**: -6" (.15m), 12" (.3m), 24" (.6m), 36" (.9m)

***Std. Colors**: -0 Black, -2 Red

Rating: Hands free testing at 300V, 3 Amp

Insulated Alligator Clips on Both Ends

Model # BU-3030-A--***

Material: *Alligator Clip*: nickel-plated steel with PVC insulator; *Hook-up Wire*: #20 (41/36) AWG tinned copper with 105˚C PVC insulation

****Length**: -12" (.3m), 24" (.6m), 36" (.9m), 48" (1.2m), 60" (1.5m)

***Std. Colors**: -0 Black, -2 Red

Rating: Hands free testing at 300V, 10 Amps

Insulated Alligator Clips on Both Ends - Coiled Cord

Model # BU-3030-C-24-*

Material: *Clip*: nickel-plated steel alligator with insulator (BU-60 and BU-62-*); *Coiled Cord*: single conductor 18AWG wire with 4mm O.D.

Length: -24" (.6m) retracted, 120" (3.) extended

***Std. Colors**: -0 Black, -2 Red

Rating: Hands free testing at 300V, 15 Amps

Insulated Alligator Clip to Stackable Dual Banana Plug with RG58

Model # BU-3070-C--0**

Material: *Alligator Clip*: nickel-plated steel with PVC insulator; *Double Banana Plug*: ABS housing, brass body and beryllium copper, nickel-plated, nine-leaf cage spring; *Coaxial Cable*: Shielded RG58C/U, MIL-C-17F, 50 ohm

****Length**: -12" (.3m), 24" (.6m), 36" (.9m), 48" (1.2m), 60" (1.5m)

Rating: Hands free testing at 300 VRMS

Insulated Mini-Alligator Clip on Both Ends

Model # BU-3131-A--***

Material: *Alligator Clip*: nickel-plated steel with PVC insulator; *Hook-up Wire*: #20 (41/36) AWG tinned copper with 105˚C PVC insulation

****Length**: -12" (.3m), 24" (.6m), 36" (.9m), 48" (1.2m), 60" (1.5m)

***Std. Colors**: -0 Black, -2 Red

Rating: Hands free testing at 300 VAC, 5 Amps

Insulated Mini-Alligator Lead Set

Model # BU-00285

Material: *Clip*: nickel-plated steel with PVC insulators; *Hook-up Wire*: #22 (19/34) AWG copper with 105˚C PVC insulation

Length: 18" (.46m)

Colors: Includes 2 each: Black, Red, Yellow, Green, White

Rating: Hands free testing at 300V, 5 Amp

Insulated Alligator Lead Set

Model # BU-00286

Material: *Clip*: nickel-plated steel with PVC insulators; *Hook-up Wire*: #22 (19/34) AWG copper with 105˚C PVC insulation

Length: 12" (.3m)

Colors: Includes 1 each: Black, Red, Yellow, Green, White

Rating: Hands free testing at 300V, 7 Amp

Insulated Alligator Lead Set

Model # BU-00287

Material: *Clip*: nickel-plated steel with PVC insulators; *Hook-up Wire*: #22 (19/34) AWG copper with 105˚C PVC insulation

Length: 12" (.3m)

Colors: Includes 2 each: Black, Red, Yellow, Green, White

Rating: Hands free testing at 300V, 7 Amp

Shrouded Banana Plug to Piercing Clip - Silicone

Model # JP-7505-83--***

Piercing clips are J.S. Popper brand

Material: *Piercing Clip*: JP-8783; *Banana Plugs*: nickel-plated brass body, nickel-plated beryllium copper spring; *Hook-up Wire*: #18 AWG, silicone insulator

****Length**: -12" (.3m), 24" (.6m), 36" (.9m), 48" (1.2m)

***Std. Colors**: -0 Black, -2 Red, -4 Yellow, -6 Blue

Rating: 300V, 3 Amp

Ultra-Flex Test Lead Wires

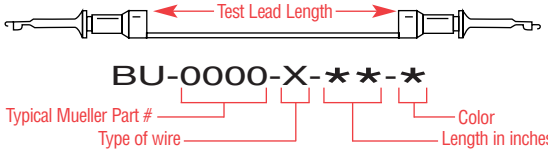
Model # WI-M-18-*

Material: *Wire*: #18 AWG, silicone

***Std. Colors**: -0 Black, -2 Red,-4 Yellow, -5 Green, -6 Blue, -9 White

Rating: 3kV, 22 Amp

Mueller's coaxial cables and fully insulated BNC receptacles provide an additional margin of safety in connecting to instrumentation such as oscilloscopes, voltmeters, and network analyzers. Our BNC breakout test leads offer a wide variety of connector and clip combinations to meet your testing and connection needs.

Order Key	Coaxial Cables
	*Rating* B RG-58C/U C RG-58C/U connected to 20AWG with Y-block F RG-174C/U L Twisted Pair Cable

Color Key			Available Test Lead Lengths		
0=Black	4=Yellow	6=Blue	6"	24"	48"
2=Red	5=Green	9=White	12"	36"	60"

BNC Male on Both Ends

Model # BU-5050-B--0**

Material: *BNC Male Connector*: gold-plated center contact, silver-plated body; (MIL-C-39012); *Coaxial Cable*: shielded RG58C/U, MIL-C17F, 50 ohm

****Length**: -12" (.3m), 24" (.6m), 36" (.9m), 48" (1.2m), 60" (1.5m)

Rating: Hands free testing at 500 VRMS on center conductor

BNC Male with Strain Relief on Both Ends

Model# BU-5454-B--0**

Material: *BNC Male Connector:* MIL-C-39012, silver-plated brass body, gold/nickel plated brass center contact; *Coaxial Cable:* RG58C/U, MIL-C17F, 50 ohm

****Length**: -12" (.3m), 24" (.6m), 36" (.9m), 48" (1.2m), 60" (1.5m)

Rating: Hands free testing at 500 VRMS on center conductor

BNC Male to Stackable Double Banana Plug

Model# BU-5070-B--0**

Material: *BNC Male Connector*: gold-plated center contact, silver-plated body; (MIL-C-39012); *Double Banana Plug*: ABS housing, brass body and beryllium copper, nickel-plated, nine-leaf cage spring; *Coaxial Cable*: shielded RG58C/U, MIL-C-17F, 50 ohm

****Length**: -12" (.3m), 24" (.6m), 36" (.9m), 48" (1.2m), 60" (1.5m)

Rating: Hands free testing at 500 VRMS on center conductor

BNC Female with Strain Relief on Both Ends

Model# BU-5555-B--0**

Material: *BNC Female Connector:* MIL-C-39012, silver-plated brass body, gold/nickel plated brass center contact; *Coaxial Cable:* RG58C/U, MIL-C17F, 50 ohm

****Length**: -12" (.3m), 24" (.6m), 36" (.9m), 48" (1.2m), 60" (1.5m)

Rating: Hands free testing at 500 VRMS on center conductor

Insulated BNC Male to BNC Female

Model# BU-5659-B--0**

Material: *BNC Male/Female Connector:* fully insulated nylon housing; nickel-plated brass body, gold/nickel plated brass center contact; polyethylene dielectric; *Coaxial Cable:* RG58, 50 ohm

****Length**: -12" (.3m), 24" (.6m), 36" (.9m), 48" (1.2m), 60" (1.5m)

Rating: Hands free testing at 500 VRMS on center conductor

Insulated Alligator Clips to BNC Male With RG58

Model# BU-5030-C--0**

Insulated Alligator Clips to BNC Male With RG174

Model# BU-5330-F--0**

Material: *Alligator Clip:* nickel-plated steel with PVC insulator; *BNC Male Connector*: MIL-C-39012, gold-plated center contact and silver-plated body (RG174/U BNC is a commercial connector with nickel-plated body); *Coaxial Cable:* shielded RG58C/U, MIL-C-17F, 50 ohm or shielded RG174/U, MIL-C-17D, 50 ohm

****Length**: -12" (.3m), 24" (.6m), 36" (.9m), 48" (1.2m), 60" (1.5m)

Rating: Hands free testing at 300 VRMS on center conductor

BNC Male Breakout to Tinned End Wires

Model# BU-5100-A-4-0

Material: *BNC Male Connector*: quality tarnish-resistant, plated brass with a gold-plated brass center contact, ABS housing; *Hook-up Wire*: #20 AWG (41/36) tinned copper with 105˚C PVC insulation

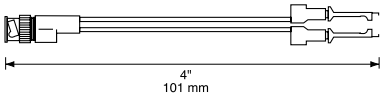
Rating: Hands free testing at 300 VRMS on center conductor

BNC Male Breakout to Mini-Micro-Grabbers

Model# BU-5114-A-4-0

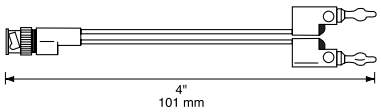
Material: *BNC Male Connector*: quality tarnish-resistant, plated brass with a gold-plated brass center contact, ABS housing; *Mini-Micro-Grabbers* (No.208) conductor and abrasion resistant, nylon housing; *Hook-up Wire*: #20 AWG (41/36) tinned copper with 105˚C PVC insulation

Rating: Hands free testing at 150 VRMS, 5 Amp



BNC Male Breakout to Stackable Single Banana Plugs

Model# BU-5120-A-4-0



Material: *BNC Male Connector*: quality tarnish-resistant, plated brass with a gold-plated brass center contact, ABS housing; *Banana Plug*: premium nine-leaf, nickel-plated beryllium copper springs and copper alloy 360 bodies for minimum stacked in multiples, ABS housing; *Hook-up Wire*: #20 AWG (41/36) tinned copper with 105˚C PVC insulation

Rating: Hands free testing at 300 VRMS, 5 Amp

BNC Male Breakout to Insulated Mini-Alligator Clips

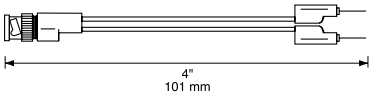
Model# BU-5131-A-4-0

Material: *BNC Male Connector:* quality tarnish-resistant, plated brass with a gold-plated brass center contact, ABS housing; *Clip*: Mueller No. 30BL with No. 31 insulators; *Hook-up Wire:* #20 AWG (41/36) tinned copper with 105˚C PVC insulation

Rating: Hands free testing at 300 VRMS, 10 Amp

BNC Male Breakout to Stackable 0.080" (2.0mm) Pin Plugs

Model# BU-5144-A-4-0



Material: *BNC Male Connector:* quality tarnish-resistant, plated brass with a gold-plated brass center contact, ABS housing; *Pin Tip*: nickel-plated brass 0.080" (2.0mm) dia; 0.500" (12.7mm) long; *Tip Jack*: Accepts 0.080" (2.0mm) dia. pin, nickel-plated, alloy 360 copper body; *Hook-up Wire:* #20 AWG (41/36) tinned copper with 105˚C PVC insulation

Rating: Hands free testing at 300 VRMS, 5 Amps

BNC Female Breakout Style to Tinned End Wires

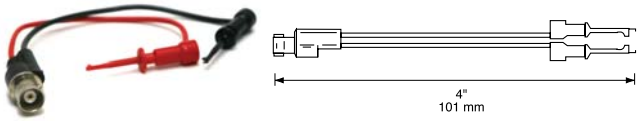
Model# BU-5200-A-4-0

Material: *BNC Female Connector:* quality tarnish-resistant, plated brass with a gold-plated brass center contact, ABS housing; *Hook-up Wire:* #20 AWG (41/36) tinned copper with 105˚C PVC insulation

Rating: Hands free testing at 300 VRMS, 5 Amp

BNC Female Breakout to Mini-Micro-Grabbers

Model# BU-5214-A-4-0

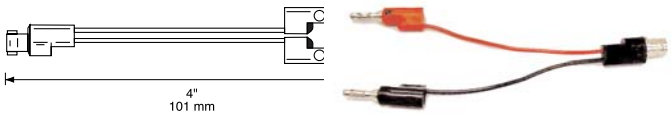


Material: *BNC Female Connector:* quality tarnish-resistant, plated brass with a gold-plated brass center contact, ABS housing; *Mini-Micro-Grabbers (No.208)*: conductor and abrasion resistant, nylon housing; *Hook-up Wire:* #20 AWG (41/36) tinned copper with 105˚C PVC insulation

Rating: Hands free testing at 300 VRMS, 5 Amp

BNC Female Breakout to Stackable Single Banana Plugs

Model# BU-5220-A-4-0



Material: *BNC Female Connector:* quality tarnish-resistant, plated brass with a gold-plated brass center contact, ABS housing; *Banana Plug*: premium nine-leaf, nickel-plated beryllium copper springs and copper alloy 360 bodies for minimum stacked in multiples, ABS housing; *Hook-up Wire:* #20 AWG (41/36) tinned copper with 105˚C PVC insulation

Rating: Hands free testing at 300 VRMS, 10 Amps

BNC Female Breakout to Insulated Mini-Alligator Clips

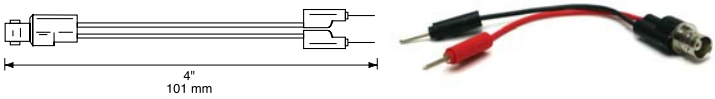
Model# BU-5231-A-4-0

Material: *BNC Female Connector:* quality tarnish-resistant, plated brass with a gold-plated brass center contact, ABS housing; *Clip*: Mueller No. 30BL with No. 31 insulators; *Hook-up Wire:* #20 AWG (41/36) tinned copper with 105˚C PVC insulation

Rating: Hands free testing at 300 VRMS, 5 Amp

BNC Female Breakout to Stackable 0.080" (2.0mm) Pin Plugs

Model# BU-5244-A-4-0



Material: *BNC Female Connector:* quality tarnish-resistant, plated brass with a gold-plated brass center contact, ABS housing; *Pin Tip*: nickel-plated brass 0.080" (2.0mm) dia; 0.500" (12.7mm) long; *Tip Jack*: accepts 0.080" (2.0mm) dia. pin, nickel-plated, alloy 360 copper body; *Hook-up Wire:* #20 AWG (41/36) tinned copper with 105˚C PVC insulation

Rating: Hands free testing at 300 VRMS, 5 Amps

Mini-Micro-Plunger to BNC Male

Model# BU-1450-C--0**

Material: *BNC Male Connector:* MIL-C-39012, gold-plated center contact and silver-plated body; *Coaxial Cable:* shielded RG58C/U, MIL-C-17F, 50 ohm; *Plunger*: nylon housing, stainless steel spring and beryllium copper contact

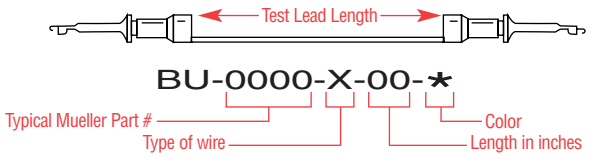
****Length**: -12" (.3m), 24" (.6m), 36" (.9m), 48" (1.2m), 60" (1.5m)

Rating: Hands free testing at 300 VRMS on center conductor

DMM Kits

Mueller DMM kits are designed for compatibility with Fluke, Agilent, Tektronix, and other DMM manufacturers. Reference page 28 for a Meter-Mate™ meter-to-accessory cross-reference table.

Order Key



Color Key			Available Test Lead Lengths		
0=Black	4=Yellow	6=Blue	6"	24"	48"
2=Red	5=Green	9=White	12"	36"	60"

400002 (34000 Series Bench DMM Meter Mate Kit)

34000 Series Bench DMM's Meter Mate Kit has compatible replacement leads for all Agilent 34000 Series digital multimeters.

QTY	P/N	DESCRIPTION
1	PM-50000	Blue tri-fold bag
1	Box 3	Retail Packaging Box
1	PM-1000	Compatibility Label
1	BU-6162-M-60-0	TL, banana-to-right angle banana, silicone, 60", 1kV, 20 Amp, black
1	BU-6162-M-60-2	TL, banana-to-right angle banana, silicone, 60", 1kV, 20 Amp, red
1	BU-26106-0	Test Probe, banana, 1kV, 20 Amp, black
1	BU-26106-2	Test Probe, banana, 1kV, 20 Amp, red
1	BU-65-0	Clip, insulated, banana, 1kV, 30 Amp, black
1	BU-65-2	Clip, insulated, banana, 1kV, 30 Amp, red
1	BU-20431-0	Insulated plunger hook, mini grip, 1kV, 3 Amp, black
1	BU-20431-2	Insulated plunger hook, mini grip, 1kV, 3 Amp, red
1	BU-00207-0	Threaded plunger, 1kV, 15 Amps, black
1	BU-00207-2	Threaded plunger, 1kV, 15 Amps, red
1	BU-26130-0	Ultra Tech Test Prod, 1kV, 15 Amp, black
1	BU-26130-2	Ultra Tech Test Prod, 1kV, 15 Amp, red
1	BU-30212-0	Insulated spade lug, black
1	BU-30212-2	Insulated spade lug, red
1	BU-32101-0	Banana Adapter, 1kV, 15 Amp, black
1	BU-32101-2	Banana Adapter, 1kV, 15 Amp, red

400003 (Fluke Replacement Electrical DMM Meter Mate Kit)

Electrical DMM Test Lead Kit offers a complete assortment of modular test leads and probes compatible with all Fluke DMMs.

QTY	P/N	Description
1	PM-1015	Poly Bag 6.5z11.5, Vinyl
1	Box 4	Retail Packaging Box
1	PM-1000	Compatibility Label
1	BU-6162-M-48-0	TL, banana-to-right angle banana, silicone, 48", black
1	BU-6162-M-48-2	TL, banana-to-right angle banana, silicone, 48", red
1	BU-26103-0	Test Probe, banana, 1000V, IEC Cat III, black
1	BU-26103-2	Test Probe, banana, 1000V, IEC Cat III, red
1	BU-656-2	Safety Clip, insulated, banana, red
1	BU-20434-0	Insulated plunger jaw clip, black
1	BU-20434-2	Insulated plunger jaw clip, red
1	BU-20431-0	Insulated plunger hook, mini grip, black
1	BU-20431-2	Insulated plunger hook, mini grip, red
1	BU-30212-0	Insulated spade lug, black
1	BU-30212-2	Insulated spade lug, red
1	BU-32101-0	Banana Adapter, 1kV, 15 Amp, black
1	BU-32101-2	Banana Adapter, 1kV, 15 Amp, red

400000 (Fluke Replacement Industrial/Automotive DMM Meter Mate Kit)

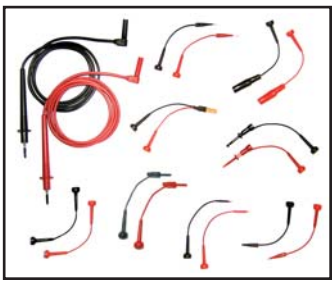
Automotive/Industrial DMM Test Lead Kit offers modular test probes and leads compatible with all Fluke DMMs.

QTY	P/N	Description
1	PM-50000	Blue tri-fold bag
1	Box 1	Retail Packaging Box
1	PM-1000	Compatibility Label
1	BU-6162-M-39-0	TL, banana-to-right angle banana, silicone, 39", 1kV, 20 Amp, black
1	BU-6162-M-39-2	TL, banana-to-right angle banana, silicone, 39", 1kV, 20 Amp, red
1	BU-26103-0	Test Probe, banana, 1kV, IEC Cat III, black
1	BU-26103-2	Test Probe, banana, 1kV, IEC Cat III, red
1	BU-65-0	Clip, insulated, banana, 1kV, 30 Amp black
1	BU-65-2	Clip, insulated, banana, 1kV, 30 Amp red
1	BU-20433-0	Insulated plunger, mini grip, 1kV, 1 Amp, black
1	BU-20433-2	Insulated plunger, mini grip, 1kV, 1 Amp, red
1	JP-491-0	Back probe, small, 20 Amp, black
1	JP-491-2	Back probe, small, 20 Amp, red
1	JP-591-0	Back probe, large, 20 Amp, black
1	JP-591-2	Back probe, large, 20 Amp, red
1	JP-8078-J-C0	Insulation piercing clip with black boot
1	JP-8078-J-C2	Insulation piercing clip with red boot

KT-MS002 (Deluxe Micro-scale Test Kit)
KT-MS001 (Deluxe Micro-scale Test Kit, accessories only)

Micro-scale Test Kit accessories are designed to attach to industry standard multimeter test probes or prods. These accessories allow convenient and safe testing on breadboards or printed circuit boards.

QTY	P/N	Description
2	BU-2241-D-48-*	TL, multi-feature test prod to right angle shrouded banana, 48”, 1 red, 1 black
2	MS200-*	Breadboard Pin, 1 red, 1 black
2	MS201-*	Needle pin, 1 red, 1 black
2	MS202-*	Alligator Clip, 1 red, 1 black
2	MS203-*	Micro-plunger Clip, 1 red, 1 black
1	MS204	Battery Current Probe
2	MS205-*	Pin Socket, 1 red, 1 black
2	MS206-*	Magnetic Probe, 1 red, 1 black
2	MS208-*	Nano-plunger Clip, 1 red, 1 black
1	MS207	Carrying Pouch



KT-MS004 (Basic Micro-scale Test Kit)
KT-MS003 (Basic Micro-scale Test Kit, accessories only)

KT-MS003 includes all of the above accessories without the 48" test leads.

QTY	P/N	Description
2	BU-2241-D-48-*	TL, multi-feature test prod to right angle shrouded banana, 48", 1 red, 1 black
2	MS201-*	Needle Pin, 1 red, 1 black
2	MS202-*	Alligator Clip, 1 red, 1 black
2	MS203-*	Micro-plunger Clip, 1 red, 1 black
2	MS208-*	Nano-plunger Clip, 1 red, 1 black
2	MS200-*	Breadboard Pin, 1 red, 1 black
2	MS205-*	Pin Socket, 1 red, 1 black
1	MS207	Carrying pouch

Mueller Test Lead	Manufacturer & Meter Model
	ALFA ELECTRONICS
400000 400002 400003 BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-* KT-MS002	DMM-175A, DMM-2360, LCR-195, LCR-814, 7705
	A.W. SPERRY
400000 400002 400003 BU-2641-D-48-* KT-MS002	DP-300, DP-306, DP-310, DP-316, EZ-6100, EZ-6110, EZ-6200, EZ-6220, SP-160, SP-170, SP-250, SP-1000F
BU-4061-M-39-* BU-6161-M-39-*	DM-3010
	AMERICAN RELIANCE INC.
400000 400002 400003 BU-2741-D-48-* BU-4061-M-39-* BU-6161-M-39-* KT-MS002	AR-120, AR-140, AR-130A/B, AR-160H, AR-170NL, AR-180T, AR230S, AR-260CP, AR-280CA, AR-690LP, AR-270NL, AR-700T
BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-*	AR-3200
	AMPROBE
400000 400002 400003 BU-2741-D-48-* KT-MS002	AM-1A, AM-2A, AM-2B, AM2DP, BDP, AM-3B, AM-5, AM-6
BU-4061-M-39-* BU-6161-M-39-*	AM-4B, AM-6A
BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-*	ACD-10, ACD-11, AM-1E, AM-2E, AM-2EDP, AM-3E, AM-1200, AM-1250, AM-1260, AM-1280, AM-4A,AM-2BB, AM-2BBDP, AM-4
	ARISTA
400000 400002 400003 BU-2641-D-48-* KT-MS002	70-459, 70-463, 70-480, 70-485, 70-490
	B & K PRECISION
400000 400002 400003 BU-2641-D-48-* KT-MS002	114, 214, 227, 283, 290, 530, 810A, 820, 830, 2801, 2805, 2830, 2831, 2831A
BU-4061-M-39-* BU-6161-M-39-*	340A, 350, 2608, 2807, 2816, 2817, 2818, 2820, 2832, 2833, 2834, 2845, LA1000
BU-2741-D-48-*	111, 114, 116, 117, 214, 2703, 2704, 2800, 2810, 2815, 815, 875A, 878
BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-*	388-HD, 810A, 875A, 2911, 2912, 2940, 2945, 2960, 2860

Mueller Test Lead	Manufacturer & Meter Model
	BECKMAN
400000 400002 400003 BU-4061-M-39-* BU-6161-M-39-* KT-MS002	TECH-300, TECH-310, 310B, 310UL, 310T, 320, 320B, 330, 350, 360, 3000, 3010, 3010B, 3020, 3020UL, 3030, 3050, 4410, DM40, DM45, HD100, HD11, HD110T, HD130
BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-*	HD151, HD152, HD153, 222, 223, RMS225
BU-2741-D-48-*	DM15, DM20, DM25, DM77, TECH-300, TECH-310, 310UL, 320B, 330, 800, 850, DL243A, 3000, 3010, 3010B, 3010UL, 3020, 3020B, 3020U; 3030 (BEFORE 8/1/83)
BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-* KT-MS002	DMSLX, DM10XL, DM15XL
	Bel MERIT
400000 400002 400003 BU-2741-D-48-* KT-MS002	AM201
BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-*	AA300, DM20S, DM30S, DM3000, DM3050, DM3100, DM3200, DM4100, DM4700, DM5050C, DM5100
	BIDDLE
400000 400002 400003 BU-2741-D-48-* KT-MS002	10, DA116B, DA117
	CAIRAD
400000 400002 400003 BU-2641-D-48-* KT-MS002	65-267
BU-2741-D-48-*	65-260, 65-261, 65-264, 65-265
	DATA PRECISION
400000 400002 400003 BU-2641-D-48-* KT-MS002	935, 936, 938, 945, 1350, 1351, 2480(R), 2590(R), 3400(A), 3500, 3600, 7500, 8100, 8200
	DATA TECH
400000 400002 400003 BU-2641-D-48-* KT-MS002	20, 30A, 30LC, 30R, 31, 45

Mueller Test Lead	Manufacturer & Meter Model
	ECG
400000 400002 400003 BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-* KT-MS002	AM-20, FET-43, DM-74, DM-76, DM-300, DM-310, DM-410, DM-78, DM-305
	ELENCO
400000 400002 400003 BU-2741-D-48-* KT-MS002	M-1400, CM-1500A, CM-1550, M-1600, M-1650, M-5000
BU-4061-M-39-* BU-6161-M-39-*	M-3500, M-4500
BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-*	LC-1800, M-2600, M-2650, M-2661, M-2671, M-2680, M-2690, M-7000
	EMCO
400000 400002 400003 BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-* KT-MS002	ACM-3A, DCM-1A, DM-3650B, DMR-26, FD-81T, FD-91T, FD-95AR, FD-100TC, FDA-50
BU-2741-D-48-*	F-72, MT-2
	EXTECH
400000 400002 400003 BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-* KT-MS002	D380196, D380198, D380285, D380501, D380487, D380602
BU-2741-D-48-*	D38091, D380165, D380166, D380168, D380652
BU-2641-D-48-*	D380900, D380910, D380911, D380913
BU-4061-M-39-* BU-6161-M-39-*	D380925, D380950 D380925, D380950
BU-2741-D-48-*	D380960
BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-*	D381909

Test Lead to Meter Cross Reference

Mueller Test Lead	Manufacturer & Meter Model
	FLUKE
400000 400002 400003 BU-4061-M-39-* BU-6161-M-39-* KT-MS002	D800, D802, D804, 8020A, 8020B, 8021B, 8022A, 8022B, 8024A, 8024B, 8026B, 8050A
BU-2641-D-48-*	334, D810, D811, 8000A, 8010A, 8012A, 8030A, 8040A, 8125A, 8200A, 8291A, 8300A, 8375A, 8400A, 8500A, 8502A, 8520A, 8522A, 8600A, 8800A, 8810A
BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-*	10, 11, 12, 21-II, 23-II, 25, 27, 29-II, 37, 45, 70-II, 73-II, 75-II, 76, 77-II, 79-II, 83, 85, 87, 863, 865, 8060A, 8062A
	FOTEC
400000 400002 400003 BU-4061-M-39-* BU-6161-M-39-* KT-MS002	M-100, M-110
	G. C. ELECTRONICS
400000 400002 400003 BU-2641-D-48-* KT-MS002	20-200, 20-207, 20-210
	GOLDSTAR
400000 400002 400003 BU-2241-D-48-* BU-4062-M-39-* KT-MS002	DM-6335, DM-7143, DM-7333, DM-8135, DM-8243, DM-8433, DM-9183
BU-6162-M-39-*	DM-6335, DM-7143, DM-7333, DM-8135, DM-8243, DM-8433, DM-9183
BU-2241-D-48-0* BU-4062-M-39-* BU-6162-M-39-*	65-260, 65-261, 65-264, 65-265
BU-2031-A-00-*	DM-9055S
	HEWLETT PACKARD
400000 400002 400003 BU-2641-D-48-* KT-MS002	3468A
BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-*	HP-970, HP-971A, HP-972A, HP-973A, HP-974A, HPE2373A, HPE2377A, HPE2378A
	HICKOCK
400000 400002 400003 BU-2641-D-48-* KT-MS002	LX303, LX304, LX306
BU-4061-M-39-* BU-6161-M-39-*	MX331, MX333

Mueller Test Lead	Manufacturer & Meter Model
	HIOKI
400000 400002 400003 BU-2741-D-48-* KT-MS002	3011, 3212
BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-*	M-7000, LC-1800
	HITACHI
400000 400002 400003 BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-* KT-MS002	VR-3510, VR-3525, VR-3550
	INSTEK
400000 400002 400003 BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-* KT-MS002	DM-351, BM-352, DM-391, DM-392, DM-393
	ITT METRIX
400000 400002 400003 BU-4061-M-39-* BU-6161-M-39-* KT-MS002	MX-522, MX-562, MX-563, MX-575
	KEITHLEY
400000 400002 400003 BU-2641-D-48-* KT-MS002	128, 130, 130A, 131, 132C, 132F, 135, 135A, 169, 176, 177, 179A, 181, 191, 192, 195
	KELVIN
400000 400002 400003 BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-* KT-MS002	92, 93, 94, 95, 100, 150, 200, PRO-400
	KINGDOM (KDE)
400000 400002 400003 BU-2641-D-48-* KT-MS002	ETC-2000, ETC-2050, ETC-5000T, ETU-200, ETU-202, ETU-500, ETU-2050,ETU-3000, ETU-5000, ETU-5001, KD-25C, KD-30C, KD-55C, KD-300, KD-305, KD-600, KD-605, KD-615
BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-*	KD-508

Mueller Test Lead	Manufacturer & Meter Model
	MERCER
400000 400002 400003 BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-* KT-MS002	9301, 9340, 9370, 9401, 9670
	METEX
400000 400002 400003 BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-* KT-MS002	M80, M3610, M3610B, M3620, M3630B, M3630CR, M3650, M3650B, 3650CR, M3800, M3900TD, M4600, M4630, M4630B, M4630CR, M4650, M4650B, M4650CR
BU-2641-D-48-*	M200, M300, M400, M500, GL-20
	MITCHELL
400000 400002 400003 BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-* BU-4061-M-39-* BU-6161-M-39-* KT-MS002	DSA2003, 3104
BU-2741-D-48-*	DC801, FT303TR, FT602B, TCYF1075, TC4055, 1800A
BU-4061-M-39-* BU-6161-M-39-*	TCMIT166
BU-4061-M-39-* BU-6161-M-39-*	YF1030C, YF3000, 7905A
	MODUTEC
400000 400002 400003 BU-2641-D-48-* KT-MS002	ACT-25, ACT-30, ACT-50, ACT-100, BT-22, CT-300, CT-600, CT-1200, MO-20KT, MO-2K
	NON-LINEAR SYSTEMS
400000 400002 400003 BU-2641-D-48-* KT-MS002	TT-20
	NORTH AMERICAN SOAR
400000 400002 400003 BU-4061-M-39-* BU-6161-M-39-* KT-MS002	3025, 3030, 3050, 5025, 5030
BU-2641-D-48-*	8010, 8025, 8050, 8090, TC-202, ME-530, ME-540, ME-550, SX-220

Mueller Test Lead	Manufacturer & Meter Model
	NORMA
400000 400002 400003 BU-4061-M-39-* BU-6161-M-39-* KT-MS002	D-1150, D-1218, DA-1737, MD-11, MD-12, MD-13, MD-14, BU-4061-C-24-*
	OMEGA
400000 400002 400003 BU-2741-D-48-* KT-MS002	HHM55, HHM57
	PHILMETRIC
400000 400002 400003 BU-2741-D-48-* KT-MS002	MD100
BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-*	MD150
	PROTEK
400000 400002 400003 BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-* KT-MS002	A-403, 504, 505, 506, B-797, B-845, CM-108, D-902, D-906, D-910F, D-927, D-935A, D-937, D-945, D-981, D-982, D-4500E, DI-2000M, TM-1300K
BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-*	A-400, A-423, A-445, A-450, A-480B, A-2500I, A-4205, D-640AB
	RACAL-DANA
400000 400002 400003 BU-2741-D-48-* KT-MS002	4001, 4002, 4002A, 4003, 4004, 4005, 5000, 5001, 5003, 5004, 5005, 5006, 5900, 5940, 6000, 6001, 6002, 6900

Mueller Test Lead	Manufacturer & Meter Model
	SIMPSON
400000 400002 400003 BU-2741-D-48-* KT-MS002	202, 208, 209, 229-2, 250, 255, 260, 260-8Xi, 260-6XL, 261, 262-3, 263, 265, 267, 268, 269-2, 269-3, 270-(1,2,3,4), 360, 362-2, 370 to 377, 460, 464, 465, 605-2, TS111-3
BU-4061-M-39-* BU-6161-M-39-* BU-6162-M-39-*	487, 488
	SPECO
400000 400002 400003 BU-2641-D-48-* KT-MS002	FD-80, FD-90
	TRIPLETT
400000 400002 400003 BU-2641-D-48-* KT-MS002	320-G/P, 330-G/P, 340-G/P, 350-G/P, 360-G/P, 603 TYPE 2, 615, 630APL TYPE 5,630APLK TYPE 5, 630NA TYPE 4, 630NS TYPE 3, 630PL TYPE 5, 630PLK TYPE 7, 666R TYPE 2
BU-4061-M-39-* BU-6161-M-39-* BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-*	2, 40, 42, C45, 50, 1101, 3500, 3550, 4404, 4700, 4750, 4800, 6800 SERIES, 6810 SERIES
BU-4061-M-39-* BU-6161-M-39-* BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-*	3350, 3360, (3525, 3526 BLACK ONLY) 3525A
	TEKTRONIX
400000 400002 400003 BU-2641-D-48-* KT-MS002	DMM250, DMM353
	UNIVERSAL ENTERPRISES INC.
400000 400002 400003 BU-2641-D-48-* KT-MS002	DM25, DM100, M75, M110

Mueller Test Lead	Manufacturer & Meter Model
	UNIVOLT
400000 400002 400003 BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-* KT-MS002	DT810, DT820, DT830
	VALHALLA SCIENTIFIC
400000 400002 400003 BU-2641-D-48-* KT-MS002	3301, 3302, 4400, 4500
	VIZ
400000 400002 400003 BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-* KT-MS002	WD-747, WD-750A, WD-753, WD-758, WD-759, WD-760, WD-761, WD-762, WD-763, WV-516B, WV-517B, WV-518B, WV-519C, WV-520B, WV-526B, WV-531A, WV-547B, WV-547C, WV-547D, WV-590, WV-591
	WAVETEK
400000 400002 400003 BU-2241-D-48-* BU-4062-M-39-* BU-6162-M-39-* KT-MS002	AC30A, HD100, HD110, HD110T, HD103B, HD140B, HD160, 2010, 2020, 2030, RMS225, 300A, 310B, 320B, 330B, 850, DM5XL, DM10XL, DM15XL, DM23XT, DM25XT, DM27XT, DM153, CDM600, 4410B, CM20A, LM22A
BU-2641-D-48-*	DM5XL, DM10XL, DM15XL, DM27XT
	WESTON
400000 400002 400003 BU-4061-M-39-* BU-6161-M-39-* KT-MS002	660, 661, 662, 663, 6000, 6100, 7060 A /C / G 6402, 6404, 6502, 6504, 7130, 7135, 7141, 7145, 7310, 7320

Custom Manufacturing

In addition to the products found in our catalog, we manufacture a large variety of custom leads and interconnects for original equipment manfacturers. Our engineering staff continues to develop new answers for tomorrow's most complex requirements. We design to international standards, written specifications or your application specific requirements. Core capabilities include thermo-plastic injection molding, automatic assembly and stamping.

Packaged Parts

Mueller's packaged product feature attractive point-of-purchase cards with related cross-selling product references. Mueller has assembled the most popular selling product in a comprehensive package program utilizing (UPC) bar code standards. Our package cards are designed to reduce retail real estate requirements.

Packaged Part #	Bulk Part #
010000	(1) BU-21APN, (1) BU-21APS, (1) BU-23-0, (1) BU-23-2
010001	(1) BU-24APS, (1) BU-24APN, (1) BU-26-0, (1) BU-26-2
010002	(1) BU-75K
010003	(2) BU-27, (1) BU-29-0, (1) BU-29-2
010004	(4) BU-30, (2) BU-32-0, (2) BU-32-2
010005	(4) BU-30C, (2) BU-32-0, (2) BU-32-2
010006	(4) BU-34, (2) BU-36-0, (2) BU-36-2
010007	(4) BU-34C, (2) BU-36-0, (2) BU-36-2
010008	(4) BU-45, (2) BU-47-0, (2) BU-47-2
010009	(2) BU-48B, (1) BU-49-0, (1) BU-49-2
010010	(2) BU-50C, (1) BU-49-0, (1) BU-49-2
010011	(2) BU-60CHS-0, (2) BU-60CHS-2
010012	(4) BU-60CS, (2) BU-62-0, (2) BU-62-2
010013	(2) BU-60HS-0, (2) BU-60HS-2
010014	(4) BU-60S, (2) BU-62-0, (2) BU-62-2
010015	(4) BU-85, (2) BU-87-0, (2) BU-87-2
010016	(2) BU-63-0, (2) BU-63-2
010017	(10) BU-30
010018	(10) BU-30C
010019	(10) BU-34
010020	(10) BU-34C
010021	(6) BU-45
010022	(6) BU-48B
010023	(6) BU-55
010024	(6) BU-60CS
010025	(6) BU-60S
010026	(6) BU-70S
010027	(6) BU-85
010028	(1) BU-21APN, (1) BU-21APS
010029	(1) BU-24APN, (1) BU-24APS
010030	(4) BU-27
010031	(1) BU-41A-0, (1) BU-41A-2
010032	(1) BU-46A-0, (1) BU-46A-2
010033	(1) BU-65-0, (1) BU-65-2
010034	(4) BU-30TBO
010035	(4) BU-60TBO
010036	(4) BU-30TBO, (2) BU-31-0, (2) BU-31-2
010037	(4) BU-60TBO, (2) BU-62-0, (2) BU-62-2
010038	(2) BU-27, (2) BU-48B, (1) BU-29-0, (1) BU-29-2, (1) BU-49-0, (1) BU-49-2
010039	(2) BU-27C, (2) BU-48C, (1) BU-29-0, (1) BU-29-2, (1) BU-49-0, (1) BU-49-2
010040	(2) BU-30, (2) BU-70, (1) BU-32-0, (1) BU-32-2, (1) BU-72-0, (1) BU-72-2
010041	(2) BU-30C, (2) BU-70C, (1) BU-32-0, (1) BU-32-2, (1) BU-72-0, (1) BU-72-2
010042	(2) BU-60S, (2) BU-48B, (2) BU-27, (2) BU-24APN
010043	(2) BU-61, (1) BU-62-0, (1)BU- 62-2
080000	(1) BU-1010-A-36-0
080001	(1) BU-1010-A-36-2
080002	(1) BU-1031-A-36-0
080003	(1) BU-1031-A-36-2
080004	(1) BU-1111-A-36-0
080005	(1) BU-1111-A-36-2
080006	(1) BU-1120-A-36-0
080007	(1) BU-1120-A-36-2
080008	(1) BU-1121-A-36-0
080009	(1) BU-1121-A-36-2
080010	(1) BU-1149-A-36-0
080011	(1) BU-1149-A-36-2
080012	(1) BU-1150-C-36-0
080013	(1) BU-1170-C-36-0
080014	(1) BU-1414-E-36-0
080015	(1) BU-1414-E-36-2
080016	(1) BU-1420-A-36-0
080017	(1) BU-1420-A-36-2
080018	(1) BU-2020-A-36-0
080019	(1) BU-2020-A-36-2
080020	(1) BU-2030-A-36-0
080021	(1) BU-2030-A-36-2
080022	(1) BU-2031-A-36-0
080023	(1) BU-2031-A-36-2
080024	(1) BU-2929-M-10-0
080025	(1) BU-2929-M-10-2
080026	(1) BU-2929-M-20-0
080027	(1) BU-2929-M-20-2
080028	(1) BU-2929-M-39-0
080029	(1) BU-2929-M-39-2
080030	(1) BU-3030-A-36-0
080031	(1) BU-3030-A-36-2
080032	(1) BU-3070-C-36-0
080033	(1) BU-3131-A-36-0
080034	(1) BU-3131-A-36-2
080035	(1) BU-5030-C-36-0
080036	(1) BU-5031-C-36-0
080037	(1) BU-5050-B-36-0
080038	(1) BU-5070-B-36-0
080039	(1) BU-5656-B-36-0
080040	(1) BU-7070-B-36-0
080041	(1) BU-8080-E-12-0
080042	(1) BU-8080-E-12-2
080043	(1) BU-1449-E-36-0, (1) BU-1449-E-36-2
080044	(1) BU-1080-E-12-0
080045	(1) BU-1080-E-12-2
080046	(1) BU-1421-A-36-0
080047	(1) BU-1421-A-36-2
080048	(1) BU-1170-F-36-0
080049	(1) BU-1153-F-36-0
080050	(1) BU-1156-C-36-0
080051	(1) BU-1450-C-36-0
080052	(1) BU-1456-C-36-0
080053	(1) BU-1480-E-12-0
080054	(1) BU-1480-E-12-2
080055	(1) BU-1481-E-12-0
080056	(1) BU-1481-E-12-2
080057	(1) BU-5330-F-36-0
080058	(1) BU-3056-C-36-0
080059	(1) BU-5331-F-36-0
080060	(1) BU-3156-C-36-0
080061	(1) BU-3180-E-12-0
080062	(1) BU-3180-E-12-2
080063	(1) BU-4444-A-36-0
080064	(1) BU-4444-A-36-2
080065	(1) BU-3070-F-36-0
080066	(1) BU-5100-A-4-0
080067	(1) BU-5114-A-4-0
080068	(1) BU-5120-A-4-0
080069	(1) BU-5131-A-4-0
080070	(1) BU-5144-A-4-0
080071	(1) BU-5200-A-4-0
080072	(1) BU-5214-A-4-0
080073	(1) BU-5220-A-4-0
080074	(1) BU-5231-A-4-0
080075	(1) BU-5244-A-4-0
080076	(1) BU-5659-B-36-0
080077	(1) BU-1111-A-12-0
080078	(1) BU-1111-A-12-2
080079	(1) BU-1111-A-24-0
080080	(1) BU-1111-A-24-2
080081	(1) BU-1111-A-48-0
080082	(1) BU-1111-A-48-2
080083	(1) BU-1111-A-60-0
080084	(1) BU-1111-A-60-2
080085	(1) BU-1120-A-12-0
080086	(1) BU-1120-A-12-2
080087	(1) BU-1120-A-24-0
080088	(1) BU-1120-A-24-2
080089	(1) BU-1120-A-48-0
080090	(1) BU-1120-A-48-2
080091	(1) BU-1120-A-60-0
080092	(1) BU-1120-A-60-2
080093	(1) BU-1149-A-12-0
080094	(1) BU-1149-A-12-2
080095	(1) BU-1149-A-24-0
080096	(1) BU-1149-A-24-2
080097	(1) BU-1149-A-48-0
080098	(1) BU-1149-A-48-2
080099	(1) BU-1149-A-60-0
080100	(1) BU-1149-A-60-2
080101	(1) BU-1414-E-12-0
080102	(1) BU-1414-E-12-2
080103	(1) BU-1414-E-48-0
080104	(1) BU-1414-E-48-2
080105	(1) BU-1420-A-12-0
080106	(1) BU-1420-A-12-2
080107	(1) BU-1450-C-12-0
080108	(1) BU-2020-A-48-0
080109	(1) BU-2020-A-48-2
080110	(1) BU-2020-A-60-0
080111	(1) BU-2020-A-60-2
080112	(1) BU-3030-A-12-0
080113	(1) BU-3030-A-12-2
080114	(1) BU-3030-A-48-0
080115	(1) BU-3030-A-48-2
080116	(1) BU-7070-B-12-0
080117	(1) BU-7070-B-12-2
080118	(1) BU-7070-B-24-2
080119	(1) BU-00285
080120	(1) BU-00286
080121	(1) BU-00287
090000	(1) M08SW
090001	(1) M10X1
090002	(1) M10X10
090003	(1) M10SW
090004	(1) M10X100
090005	(1) M12X100
090006	(1) M14X10
090007	(1) M12X1
090008	(1) M12X10
090009	(1) M12SW
100000	(1) BU-6161-M-39-0, (1) BU-6161-M-39-2
100001	(1) BU-6161-N-39-0, (1) BU-6161-N-39-2
100002	(1) BU-6162-M-39-0, (1) BU-6162-M-39-2
100003	(1) BU-6162-N-39-0, (1) BU-6162-N-39-2
100004	(1) BU-4061-M-39-0, (1) BU-4061-M-39-2
100005	(1) BU-4061-N-39-0, (1) BU-4061-N-39-2
100006	(1) BU-4062-N-39-0, (1) BU-4062-N-39-2
100007	(1) BU-4062-M-39-0, (1) BU-4062-M-39-2
100008	(1) BU-6262-M-39-0, (1) BU-6262-M-39-2
100009	(1) BU-4162-M-48-0, (1) BU-4162-M-48-2
100010	(1) BU-4162-N-48-0, (1) BU-4162-N-48-2
110000	(2) BU-2841-D-48-*, (2) BU-60TBO, (2) BU-62-*, (2) BU-00230-*, (2) BU-00225-*, (2) BU-00207-*
110001	(2) BU-4641-D-48-*, (2) BU-62-*, (2) BU-60TBO, (2) BU-00230-*, (2) BU-00225-*, (2) BU-00207-*
110002	(2) BU-6441-D-48-*, (2) BU-62-*, (2) BU-60TBO, (2) BU-00230-*, (2) BU-00225-*, (2) BU-00207-*
110003	(2) BU-2741-D-48-*, (2) BU-62-*, (2) BU-60TBO, (2) BU-00230-*, (2) BU-00225-*, (2) BU-00207-*
110004	(2) BU-2241-D-48-*, (2) BU-62-*, (2) BU-60TBO, (2) BU-00230-*, (2) BU-00225-*, (2) BU-00207-*
110005	(2) BU-2641-D-48-*, (2) BU-62-*, (2) BU-60TBO, (2) BU-00230-*, (2) BU-00225-*, (2) BU-00207-*
110006	(2) BU-2141-D-48-*, (2) BU-62-*, (2) BU-60TBO, (2) BU-00230-*, (2) BU-00225-*, (2) BU-00207-*
110007	(1) BU-2141-D-48-0, (1) BU-2141-D-48-2
110008	(1) BU-2143-D-48-0, (1) BU-2143-D-48-2
110009	(1) BU-2241-D-48-0, (1) BU-2241-D-48-2
110010	(1) BU-2243-D-48-0, (1) BU-2243-D-48-2
110011	(1) BU-2641-D-48-0, (1) BU-2641-D-48-2
110012	(1) BU-2643-D-48-0, (1) BU-2643-D-48-2
110013	(1) BU-2741-D-48-0, (1) BU-2741-D-48-2
110014	(1) BU-2743-D-48-0, (1) BU-2743-D-48-2
110015	(1) BU-2841-D-48-0, (1) BU-2841-D-48-2
110016	(1) BU-4641-D-48-0, (1) BU-4641-D-48-2
110017	(1) BU-6441-D-48-0, (1) BU-6441-D-48-2
110018	(2) BU-60TBO, (1) BU-4062-M-39-0, (1) BU-4062-M-39-2, (1) BU-62-0, (1) BU-62-2
110019	(1) BU-26101-0, (1) BU-26101-2, (1) BU-6162-M-39-0, (1) BU-65-0, (1) BU-6162-M-39-2, (1) BU-65-2
110020	(1) BU-26130-0, (1) BU-26130-2, (1) BU-6162-M-39-0, (1) BU-6162-M-39-2
150000	(4) BU-00232
150001	(2) BU-00233-0, (2) BU-00233-2
150002	(4) BU-00241
150003	(4) BU-00242
150004	(2) BU-00243-0, (2) BU-00243-2
150005	(2) BU-00244-0, (2) BU-00244-2
150006	(2) BU-00245-0, (2) BU-00245-2
150007	(2) BU-00246-0, (2) BU-00246-2
150008	(1) BU-00247-0
150009	(1) BU-00260
150010	(1) BU-00262-0
150011	(1) BU-00283

Packaged Part #	Bulk Part #
150012	(1) BU-00261
150013	(1) BU-00281-0, (1) BU-00281-2
150014	(1) BU-00282-0, (1) BU-00282-2
150015	(1) BU-00201-0, (1) BU-00201-2
150016	(1) BU-00202-0, (1) BU-00202-2
150017	(1) BU-00203-0, (1) BU-00203-2
150018	(2) BU-00208-0, (2) BU-00208-2
150019	(1) BU-31101-0
150020	(1) BU-31101-2
150021	(1) BU-31102-0
150022	(1) BU-31102-2
150023	(1) BU-31602-0, (1) BU-31602-2
150024	(1) BU-31603-0, (1) BU-31603-2
150025	(1) BU-31604-0, (1) BU-31604-2

Packaged Part #	Bulk Part #
150026	(1) BU-31605-0, (1) BU-31605-2
150027	(1) BU-31606-0, (1) BU-31606-2
150028	(1) BU-32101-0, (1) BU-32101-2
150029	(2) BU-00248-0, (2) BU-00248-2
150030	(1) BU-00284-0, (1) BU-00284-2
150031	(1) BU-00263-0
150032	(2) BU-00234-0, (2) BU-00234-2
150033	(1) BU-26130-0, (1) BU-26130-2
150034	(1) BU-20431-0
150035	(1) BU-20431-2
150036	(1) BU-20432-0
150037	(1) BU-20432-2
150038	(1) BU-20433-0
150039	(1) BU-20433-2

Packaged Part #	Bulk Part #
150040	(1) BU-20434-0
150041	(1) BU-20434-2
150042	(1) BU-26101-0, (1) BU-26101-2
150043	(1) BU-26106-0, (1) BU-26106-2
150044	(1) BU-32601-0, (1) BU-32601-2
150045	(2) BU-15-0
150046	(2) BU-15-2
150047	(1) JP-29491-2, (1) JP-29591-2
150048	(2) BU-31103-0
150049	(2) BU-31103-2
150050	(4) BU-16-0
150051	(4) BU-16-2
150052	(1) BU-00247-2
150053	(2) BU-60TBO, (2) BU-62-*,

Packaged Part #	Bulk Part #
	(2) BU-00230-*, (2) BU-00225-*, (2) BU-00207-*
180000	(10 FT) WI-M-18-0
180001	(10 FT) WI-M-18-2
180002	(10 FT) WI-M-20-0
180003	(10 FT) WI-M-20-2
180004	(10 FT) WI-M-22-0
180005	(10 FT) WI-M-22-2
400000	Automotive Kit
400002	Electrical Kit
400003	Electronic Kit

Mueller Clip/Insulator Reference Chart

CLIP NUMBER	AMPS	WIRE ATTACHMENT	JAW OPENING	USE WITH INSULATOR	WIRE AWG	PLATING
BU-102B-*	300	Lug	6 1/2"	insulated	Up to 0	Copper
BU-102BK-*	300	Lug	6 1/2"	insulated	Up to 0	Copper
BU-102W-*	400	Lug	6 1/2"	insulated	Up to 0	Copper
BU-11APN/APS	100	Lug	1 5/8"	13	Up to 3/0	Zinc
BU-11CPN/CPS	200	Lug	1 5/8"	13	Up to 3/0	Solid Copper
BU-21APN/APS	50	Crimp/Screw	1 1/16"	23	Up to 8	Zinc
BU-21CPN/CPS	100	Lug	1 1/16"	23	Up to 8	Solid Copper
BU-24APN/APS	25	Crimp/Screw	3/4"	26	Up to 10	Zinc
BU-25	40	Crimp/Screw	3/4"	26	Up to 10	Zinc
BU-25C	75	Crimp/Screw	3/4"	26	Up to 10	Solid Copper
BU-27	20	Crimp/Screw	5/8"	29/90	Up to 12	Zinc
BU-27C	40	Crimp/Screw	5/8"	29/90	Up to 12	Solid Copper
BU-27CG	40	Crimp/Screw	5/8"	29/90	Up to 12	Solid Copper
BU-27CGW	40	Crimp/Screw	5/8"	29/90	Up to 12	Solid Copper
BU-30	5	Crimp/Solder	3/16"	32	20-24	Nickel
BU-30BL	5	Crimp/Solder	3/16"	31	18-24	Nickel
BU-30C	5	Crimp/Solder	3/16"	32	20-24	Solid Copper
BU-30TBO	5	Threaded	3/16"	31	NA	Nickel
BU-33C	300	Lug	1 13/16"	35	Up to 300MCM	Solid Copper
BU-34	5	Crimp/Solder	7/32"	36	20-24	Nickel
BU-34C	5	Crimp/Solder	7/32"	36	20-24	Copper
BU-40A-*	15	Crimp/Solder	3/4"	insulated	Up to 12	Nickel
BU-40C-*	20	Crimp/Solder	3/4"	insulated	Up to 12	Copper
BU-41A-*	200	Crimp/Solder	1 9/16"	insulated	Up to 1	Copper
BU-41C-*	400	Crimp/Solder	1 9/16"	insulated	Up to 1	Solid Copper
BU-45	5	Crimp/Screw	5/16"	47	16-22	Zinc
BU-45C	10	Crimp/Screw	5/16"	47	16-22	Solid Copper
BU-46A-*	50	Crimp/Solder	1 1/8"	insulated	Up to 10	Copper
BU-46C-*	75	Crimp/Solder	1 1/8"	insulated	Up to 10	Solid Copper
BU-48B	10	Crimp/Screw	1/2"	49	14-20	Zinc
BU-48B2E	10	Crimp	1/2"	49	14-20	Zinc
BU-48C	20	Crimp/Screw	1/2"	49	14-20	Solid Copper
BU-50C	20	Crimp/Screw	1/2"	49	14-18	Solid Copper
BU-51C	20	Crimp/Screw	1/2"	49	14-18	Solid Copper
BU-55	10	Crimp/Screw	7/16"	49	14-20	Zinc
BU-60	10	Crimp/Solder/Plug-on	5/16"	62	14-20	Nickel
BU-60C	10	Crimp/Solder/Plug-on	5/16"	62	14-20	Solid Copper

CLIP NUMBER	AMPS	WIRE ATTACHMENT	JAW OPENING	USE WITH INSULATOR	WIRE AWG	PLATING
BU-60CHS	10	Crimp/Screw	5/16"	Insul. Barrel	14-20	Solid Copper
BU-60CS	10	Crimp/Screw	5/16"	62	14-20	Solid Copper
BU-60H	10	Crimp/Solder	5/16"	Insul. Barrel	14-20	Nickel
BU-60HS	10	Crimp/Screw	5/16"	Insul. Barrel	14-20	Nickel
BU-60HPR	10	Pin/Prod Tip	5/16"	Insul. Barrel	NA	Nickel
BU-60PR2	10	Pin/Prod Tip	5/16"	62	NA	Nickel
BU-60S	10	Crimp/Screw	5/16"	62	14-20	Nickel
BU-60TBO	10	Threaded	5/16"	62	NA	Nickel
BU-60U	10	Crimp/Solder	5/16"	62	14-20	Nickel
BU-60X	10	Crimp/Solder/Plug-On	5/16"	62	14-20	Stainless Steel
BU-61	10	Pin/Prod Tip	5/16"	62	NA	Nickel
BU-63	10	Crimp/Screw	1/4"	Insulated	14-20	Nickel
BU-63C	10	Crimp/Screw	1/4"	Insulated	14-20	Solid Copper
BU-65-*	30	Plug-on	3/4"	Insulated	NA	Nickel
BU-651-*	10	Plug-On	17/64"	insulated	NA	Nickel
BU-652-*	20	Plug-On	17/64"	insulated	NA	Nickel
BU-654-*	20	Plug-On	1"	insulated	NA	Nickel
BU-656-*	30	Plug-On	51/64"	insulated	NA	Nickel
BU-70	5	Crimp/Solder	5/16"	72	16-20	Nickel
BU-70C	10	Crimp/Solder	5/16"	72	16-20	Copper
BU-70CS	10	Crimp/Screw	5/16"	72	16-20	Copper
BU-70S	5	Crimp/Screw	5/16"	72	16-20	Nickel
BU-75K	10	Screw	5/16"	Insulated	NA	Silver
BU-78K	10	Solder	1/2"	None	NA	Gold
BU-85	5	Crimp/Screw	5/16"	87	14-20	Zinc
BU-85C	10	Crimp/Screw	5/16"	87	14-20	Solid Copper
BU-95	10	Crimp/Screw	7/16"	74	14-20	Zinc
BU-X15400-*	400	Crimp	1 1/2"	insulated	Up to 1	Copper Jaws
JJP-25182	5	Crimp/Screw	1"	8681	Up to 10	Nickel/Silver
JP-33699	5	Crimp/Screw	1"	8681	Up to 10	Nickel/Silver
JP-33674	5	Crimp/Screw	1"	8681	Up to 10	Nickel/Silver
JP-5869-B	20	Crimp/Screw	5/8"	29/90	Up to 12	Zinc
JP-5869-C	20	Crimp/Screw	5/8"	29/90	Up to 12	Zinc
JP-8078	5	Crimp/Screw	1"	8681	Up to 10	Nickel/Silver
JP-8099	5	Crimp/Screw	1"	8681	Up to 10	Nickel/Silver
JP-8783	5	Crimp/Screw	1"	8681	Up to 10	Nickel/Silver