

Plugs and Receptacles

Cam-Lok has been supplying high quality electrical connectors to the welding industry for more than 40 years. No other manufacturer offers a broader line of connectors for both general welding and watertight application. With Cam-Lok you're sure to find a connector size and style to meet your special needs. Leading OEM suppliers of welding equipment prefer Cam-Lok connectors because they are safe and can be quickly connected and disconnected from portable welding equipment.

Best of all, cables of various sizes can be interconnected within each Cam-Lok Series. Using the variety of available Cam-Lok accessories, you can establish a complete welding distribution system. For example, you can distribute power down from 750 MCM to #2 cable. Distribution blocks, tees, receptacles, and female terminal receptacles all carry Cam-Lok's high standards of safety and reliability.

Cam-Lok Action For High Conductivity

Cam-Lok's double cam principle provides a positive, vibration-proof connection. Just 1/3 of a turn assures a high pressure contact approaching 600 lbs. per sq. in., providing minimum resistance. It gives the best electrical and mechanical connection possible. There is no moving of contact surfaces and, therefore, no arcing or burning of contacts. The contacts are a high conductivity copper base alloy, carefully machined to a smooth sliding fit, even before locking. They are SELF-COMPENSATING for wear. Locked contacts will withstand a pulling force of 1,000 lbs.



Panel Receptacles

Available in high-impact plastic or synthetic rubber styles, Cam-Lok panel mounted receptacles permit cables to be quickly connected or disconnected to the equipment without special tools. Both male and female receptacles are available in red or black for easy circuit identification. Comes with threaded stud for lug connection and conduit lock nut for securing receptacle to panel.



Interconnectability

All Cam-Lok connectors within a series have the same connection diameter, allowing you to connect smaller cables to larger ones. For example, in the E1012 Series, you can connect a #2 to a 4/0 cable connector without an adaptor.



F-Series

Originally known as Fibre Series, these low-resistance, general purpose welding connectors give you important new features. Now made of reinforced thermoplastic, they provide longer life under the rigors of heat treating and stress relieving applications.

These heat-stabilized insulators can handle ambient temperatures in the range of 400° F on an intermittent basis without deterioration. Available in red and black for easy circuit identification.

Economical F-Series connectors are ideal for use on welding power supplies, distribution panels, and patch panels, as well as heat treating and stress relieving applications.

J-Series

J-Series feature synthetic rubber insulators of one piece construction—the ultimate in connector technology. For use in difficult welding environments, they are splash-tight and shatter-resistant with built-in strain relief. There are no exposed pins. Both male and female contacts are recessed to prevent arcing or burning.

Choose molded-to-cable or field-attachable styles. J-Series are available in red and black synthetic rubber for easy phase identification.

If you're choosing a welding connector for the first time, J-Series offers all the features you'll want to start with and stay with.

Standard Series

This is the original watertight connector chosen by major OEM providers of welding equipment. The efficient "ball-nose" design provides a splash-tight seal.

These reliable Standard Series connectors have been used for years in shipyards, construction sites, and power plants. Standard Series connectors are available in both molded-to-cable and field-attachable versions. They are easily interconnectable with existing distribution blocks and systems with the "ball nose" design manufactured by major OEM's.

Plugs and Receptacles

E1010 F-Series Connectors and Accessories
Cable Size #8-#4, 120 volts, rated up to 150 amperes continuous, 200 amperes intermittent

Male Plug

Female Plug

Cable Connector	Cable Size	Color	Complete Part No.	Insulator Part No.	Complete Part No.	Insulator Part No.	Retaining Pin Part No.
Set-Screw	#8-#4	Red	E1010-61	201281-410RM	E1010-71	201281-410RF	A100091-2
	#8-#4	Black	E1010-62	201281-410BM	E1010-72	201281-410BF	A100091-2
Solder	#8-#4	Red	E1010-101	201281-410RM	E1010-111	201281-410RF	A100091-2
	#8-#4	Black	E1010-102	201281-410BM	E1010-112	201281-410BF	A100091-2



Part No. E1010-62



Part No. E1010-72

Dimensions:

Male: length 2-1/2", diameter 5/8"

Female: length 3", diameter 5/8"

Female Terminal Connectors

Cable Size	Color	Angle Style Part No.	Offset Style Part No.
#8-#4	Red	E1010-181	E1010-201
#8-#4	Black	E1010-182	E1010-202



Part No. E1010-182 Bolt Hole: 5/16"

High-Impact Plastic Receptacles

Cable Size	Color	Part No.	Description
#8-#4	Red	E1010-301	Female Receptacle
#8-#4	Black	E1010-302	Female Receptacle
#8-#4	Red	E1010-307	Male Receptacle
#8-#4	Black	E1010-308	Male Receptacle



Part No. E1010-302



Part No. E1010-308

Dimensions:

Female: length 1-5/8", 1/4"-20 thread, 1/2" long

E1012 F-Series Connectors and Accessories
Cable size #2-4/0, 120 volts, rated up to 315 amperes continuous, 550 amperes intermittent

Female Terminal Connectors

Cable Size	Color	Angle Style Part No.	Offset Style Part No.
#2-3/0	Red	A201317-1	A201317-5
#2-3/0	Black	A201317-2	A201317-6
4/0	Red	A201317-3	N/A
4/0	Black	A201317-4	N/A



Part No. A201317-1



Part No. A201317-4

Bolt Hole: 1/2"

Three Way "T" Connectors

Cable Size	Color	Paralleling "T" Part No.	Tapping "T" Part No.
#2-4/0	Black	E1012-2324	E1012-2312



Part No. E1012-2324



Part No. E1012-2312

High Impact Plastic Receptacles

Cable Size	Color	Angle Style Part No.	Offset Style Part No.
#2-3/0	Red	E1012-301	Female Receptacle Light Duty
#2-3/0	Black	E1012-302	Female Receptacle Light Duty
#2-4/0	Red	E1012-303	Female Receptacle Medium Duty
#2-4/0	Black	E1012-304	Female Receptacle Medium Duty
#2-4/0	Red	E1012-305	Female Receptacle Heavy Duty
#2-4/0	Black	E1012-306	Female Receptacle Heavy Duty
#2-3/0	Red	E1012-307	Male Receptacle for All Applications
#2-4/0	Black	E1012-308	Male Receptacle for All Applications



Part No. E1012-301



Part No. E1012-307

Dimensions:

Male: length 2-7/8", 3/8"-16 thread, 1-9/16" long

Female: length 1-13/16", 3/8"-16 thread, 1-9/16" long

E1012 F-Series

E1012 F-Series Connectors and Accessories

Cable size #2-4/0, 120 volts, rated up to 315 amperes continuous, 550 amperes intermittent



Male Plug

Part No. E1012-63

Female Plug

Part No. E1012-71

Cable Connector	Cable	Color Size	Complete Part No.	Insulator Part No.	Complete Part No.	Insulator Part No.	Retaining Pin Part No.
Set Screw	#2-1/0	Red	E1012-61	201281-612RM	N/A	N/A	A100091-4
	#2-1/0	Black	E1012-62	201281-612BM	N/A	N/A	A100091-4
	1/0-3/0	Red	E1012-63	201281-712RM	E1012-71	201281-712RF	A100091-5
	1/0-3/0	Black	E1012-64	201281-712BM	E1012-72	201281-712BF	A100091-5
	3/0-4/0	Red	E1012-65	201281-812RM	E1012-73	201281-812RF	A100091-6
	3/0-4/0	Black	E1012-66	201281-812BM	E1012-74	201281-812BF	A100091-6
Solder	#2-1/0	Red	E1012-101	201281-612RM	N/A	N/A	A100091-4
	#2-1/0	Black	E1012-102	201281-612BM	N/A	N/A	A100091-4
	1/0-3/0	Red	E1012-103	201281-712RM	E1012-111	201281-712RF	A100091-5
	1/0-3/0	Black	E1012-104	201281-712BM	E1012-112	201281-712BF	A100091-5
	3/0-4/0	Red	E1012-105	201281-812RM	E1012-113	201281-812RF	A100091-6
	3/0-4/0	Black	E1012-106	201281-812BM	E1012-114	201281-812BF	A100091-6

Dimensions:

Male: length 4", diameter 1-1/4"

Female: length 4", diameter 1-1/4"



Male Plug

Part No. E1012-8300

Female Plug

Part No. E1012-8325

Cable Connector	Cable Size	Color	Complete Part No.	Contact Part No.	Insulator Part No.	Complete Part No.	Contact Part No.	Insulator Part No.
Single Set Screw	#2-2/0	Black	E1012-8300	A200081-1	A200068-19	E1012-8325	A200067-1	A200069-19
	#2-2/0	Red	E1012-8302	A200081-1	A200068-21	E1012-8327	A200067-1	A200069-21
	2/0-4/0	Black	E1012-8312	A200080-1	A200068-13	E1012-8337	A200066-1	A200069-13
	2/0-4/0	Red	E1012-8314	A200080-1	A200068-15	E1012-8339	A200066-1	A200069-15
Double Set Screw	#2-2/0	Black	E1012-8350	A200643-1	A200068-19	E1012-8375	A200640-1	A200069-19
	#2-2/0	Red	E1012-8352	A200643-1	A200068-21	E1012-8377	A200640-1	A200069-21
	2/0-4/0	Black	E1012-8362	A200644-1	A200068-13	E1012-8387	A200642-1	A200069-13
	2/0-4/0	Red	E1012-8364	A200644-1	A200068-15	E1012-8389	A200642-1	A200069-15
Crimp or Solder	#2-#1	Black	E1012-8006	A200036-30	A200068-19	E1012-8056	A200037-35	A200069-19
	#2-#1	Red	E1012-8008	A200036-30	A200068-21	E1012-8058	A200037-35	A200069-21
	1/0-2/0	Black	E1012-8012	A200036-31	A200068-19	E1012-8062	A200037-36	A200069-19
	1/0-2/0	Red	E1012-8014	A200036-31	A200068-21	E1012-8064	A200037-36	A200069-21
	3/0-4/0	Black	E1012-8030	A200038-30	A200068-13	E1012-8080	A200035-53	A200069-13
	3/0-4/0	Red	E1012-8032	A200038-30	A200068-15	E1012-8082	A200035-53	A200069-15

Dimensions:

Male: length 5-9/32", diameter 1-1/2"

Female: length 6-1/16", diameter 1-1/2"

E1016 J-Series

Connectors and Accessories

Cable size #2-4/0, 600 volts, rated up to 315 amperes continuous, 550 amperes intermittent

Lektralink

Male Plug

Female Plug

Cable Connector	Cable Size	Color	Complete Part No.	Contact Part No.	Insulator Part No.	Complete Part No.	Contact Part No.	Insulator Part No.
Crimp or Solder	#2-#1	Black	E1016-8006	A200036-18	A200074-19	E1016-8056	A200037-23	A200075-19
	#2-#1	Red	E1016-8008	A200036-18	A200074-21	E1016-8058	A200037-23	A200075-21
	1/0-2/0	Black	E1016-8012	A200036-19	A200074-19	E1016-8062	A200037-24	A200075-19
	1/0-2/0	Red	E1016-8014	A200036-19	A200074-21	E1016-8064	A200037-24	A200075-21
	3/0-4/0	Black	E1016-8030	A200038-6	A200074-13	E1016-8080	A200035-14	A200075-13
	3/0-4/0	Red	E1016-8032	A200038-6	A200074-15	E1016-8082	A200035-14	A200075-15
Single Set Screw	#2-2/0	Black	E1016-8300	A200065-1	A200074-19	E1016-8325	A200067-3	A200075-19
	#2-2/0	Red	E1016-8302	A200065-1	A200074-21	E1016-8327	A200067-3	A200075-21
	2/0-4/0	Black	E1016-8312	A200064-1	A200074-13	E1016-8337	A200090-1	A200075-13
	2/0-4/0	Red	E1016-8314	A200064-1	A200074-15	E1016-8339	A200090-1	A200075-15
Double Set Screw	#2-2/0	Black	E1016-8350	A200630-1	A200074-19	E1016-8375	A200640-3	A200075-19
	#2-2/0	Red	E1016-8352	A200630-1	A200074-21	E1016-8377	A200640-3	A200075-21
	2/0-4/0	Black	E1016-8362	A200639-1	A200074-60	E1016-8387	A200641-1	A200075-60
	2/0-4/0	Red	E1016-8364	A200639-1	A200074-62	E1016-8389	A200641-1	A200075-62



Part No. E1016-8300



Part No. E1016-8325

Dimensions

Male:
length 7-3/16", diameter 1-1/2"

Female:
length 5-3/4", diameter 1-1/2"

Molded-To-Cable

Male Plug

Female Plug

Cable Connector	Cable Size	Color	Complete Part No.	Contact Part No.	Insulator Part No.	Complete Part No.	Contact Part No.	Insulator Part No.
Crimp or Solder	#2-#1	Black	E1016-7	A200036-2	A200706-7	E1016-56	A200037-2	A200705-7
	#2-#1	Red	E1016-9	A200036-2	A200706-9	E1016-58	A200037-2	A200705-9
	1/0-2/0	Black	E1016-13	A200036-3	A200706-7	E1016-62	A200037-3	A200705-7
	1/0-2/0	Red	E1016-15	A200036-3	A200706-9	E1016-64	A200037-3	A200705-9
	3/0-4/0	Black	E1016-31	A200038-2	A200706-13	E1016-80	A200035-2	A200705-13
	3/0-4/0	Red	E1016-33	A200038-2	A200706-15	E1016-82	A200035-2	A200705-15



Part No. E1016-13



Part No. E1016-62

Dimensions

Male: length 5-1/2", diameter 1-1/2"

Female: length 4-3/16", diameter 1-1/2"

Female Terminal Connectors

Cable Size	Color	Angle Style Part No.	Offset Style Part No.
#2-3/0	Red	A201317-1	A201317-5
#2-3/0	Black	A201317-2	A201317-6
4/0	Red	A201317-3	N/A
4/0	Black	A201317-4	N/A



Part No. A201317-1



Part No. A201317-5

Bolt Hole: 1/2"

Part No. E1016-1600



Part No. E1016-1725



Insulated Receptacles

Cable Size	Color	Male Part No.	Female Part No.	Description
#2-4/0	Black	E1016-1600	E1016-1631	Threaded style
#2-4/0	Red	E1016-1602	E1016-1633	Threaded style
#2-4/0	Black	E1016-1700	E1016-1725	Double set-screw
#2-4/0	Red	E1016-1702	E1016-1727	Double set-screw

Protective Caps

Part No.	Color	Description
A100601-1	Black	Cap for Male
A100602-1	Black	Cap for Female
A100895-1	Plated	Snap Back Metal Cover



Part No. A100601-1



Part No. A100602-1



Part No. A100895-1

Part No. E1016-2324



Part No. E1016-2312



Part No. E1016-2352



Three Way "T" Connectors

Cable Size	Color	Parelleling "T" Part No.	Tapping "T" Part No.	Double Female Part No.
#2-4/0	Black	E1016-2324	E1016-2312	E1016-2352
#2-4/0	Red	E1016-2326	E1016-2314	E1016-2354

E1018 Series Standard

E1018 Series Connectors and Accessories

Cable Size #2-4/0, 120 volts, rated up to 315 amperes continuous, 550 amperes intermittent



Lektralink Male Plug

Part No. E1018-8300

Female Plug

Part No. E1018-8325

Cable Connector	Cable Size	Color	Complete Part No.	Contact Part No.	Insulator Part No.	Complete Part No.	Contact Part No.	Insulator Part No.
Single Set-Screw	#2-2/0	Black	E1018-8300	A200065-1	A200071-19	E1018-8325	A200067-4	A200072-19
	2/0-4/0	Black	E1018-8312	A200064-1	A200071-13	E1018-8337	A200090-2	A200072-13
Crimp or Solder	#2-#1	Black	E1018-8006	A200036-18	A200071-19	E1018-8056	A200037-27	A200072-19
	1/0-2/0	Black	E1018-8012	A200036-19	A200071-19	E1018-8062	A200037-28	A200072-19
	3/0-4/0	Black	E1018-8030	A200038-6	A200071-13	E1018-8080	A200035-16	A200072-13

Dimensions:
Male:
length 6-3/8"
diameter 1-1/2"
Female:
length 6-3/8"
diameter 1-1/2"



Molded-to-Cable Male Plug

Part No. E1018-7

Female Plug

Part No. E1018-56

Cable Conn.	Cable Size	Color	Complete Part No.	Contact Part No.	Insulator Part No.	Complete Part No.	Contact Part No.	Insulator Part No.
Crimp or Solder	#2-#1	Black	E1018-7	A200036-2	A200607-7	E1018-56	A200037-6	A200608-7
	1/0-2/0	Black	E1018-13	A200036-3	A200607-7	E1018-62	A200037-7	A200608-7
	3/0-4/0	Black	E1018-31	A200038-2	A200607-13	E1018-80	A200035-4	A200608-13

Dimensions:
Male: length 5-1/8",
diameter 1-1/2"
Female: length 4-7/8"
diameter 1-1/2"

Female Terminal Connectors

Cable Size	Color	Angle Style Part No.	Offset Style Part No.
#2-3/0	Red	A201317-1	A201317-5
#2-3/0	Black	A201317-2	A201317-6
4/0	Red	A201317-3	N/A
4/0	Black	A201317-4	N/A



Bolt Hole: 1/2"

Part No. A201317-1

Part No. A201317-5

Protective Caps

Part No.	Color	Description
A100433-1	Black	Cap for Female
A100435-1	Black	Cap for Male



Part No. A100433-1

Part No. A100435-1

Insulated Receptacles

Cable Size	Color	Part No.	Description
#2-4/0	Black	E1018-1600	Male Receptacle
#2-4/0	Black	E1018-1631	Female Receptacle



Part No. E1018-1600

Part No. E1018-1631

Three Way "T" Connectors

Cable Size	Color	Paralleling "T" Part No.	Tapping "T" Part No.
#2-4/0	Black	E1018-2312	E1018-2342



Part No. E1018-2324

Part No. E1018-2312

E1017 J-Series

E-1017 J-Series Connectors and Accessories

Cable Size #350-750 MCM, 600 volts, rated up to 690 amperes continuous, 1150 amperes intermittent



Molded-To-Cable Male Plug

Part No. E1017-1

Female Plug

Part No. E1017-50

Cable Connector	Cable Size	Color	Complete Part No.	Contact Part No.	Insulator Part No.	Complete Part No.	Contact Part No.	Insulator Part No.
Crimp or Solder	350MCM	Black	E1017-1	A200028-1	A200056-1	E1017-50	A200027-5	A200040-1
	500MCM	Black	E1017-7	A200028-2	A200056-1	E1017-56	A200027-6	A200040-1
	750MCM	Black	E1017-13	A200028-3	A200056-7	E1017-62	A200027-7	A200040-7
Double Set-Screw	350-500MCM	Black	E1017-350	A200612-1	A200056-1	E1017-375	A200614-2	A200040-1

NOTE: When using double set-screw style contacts, a hose clamp or plastic cable tie must be used to secure insulator at cable end.

Dimensions:

Male: length 7-5/32", diameter 2-5/16"

Female: length 5-1/2", diameter 2-5/16"

Female Terminal Connectors

Cable Size	Color	Angle Style Part No.	Offset Style Description
350-750MCM	Black	E1017-575	E1017-625

Bolt Hole 5/8"



Part No. E1017-575



Part No. E1017-625

Protective Caps

Part No.	Color	Description
A100603-1	Black	Cap for Male
A100604-1	Black	Cap for Female



Part No. A100603-1



Part No. A100604-1

Insulated Receptacles

Cable Size	Color	Angle Style Part No.	Description
350-750MCM	Black	E1017-1600	Male 90°
350-750MCM	Black	E1017-1601	Male 30°
350-750MCM	Black	E1017-1625	Female 90°
350-750MCM	Black	E1017-1626	Female 30°



Part No. E1017-1601



Part No. E1017-1625

E1019 Series Standard

E-1019 Series Standard Connectors & Accessories

Cable Size 350-750 MCM, 120 volts, rated up to 690 amperes continuous, 1150 amperes intermittent



Male

Part No. E1019-1



Female

Part No. E1019-50

Cable Connector	Cable Size	Color	Complete Part No.	Contact Part No.	Insulator Part No.	Complete Part No.	Contact Part No.	Insulator Part No.
Crimp or Solder	350MCM	Black	E1019-1	A200028-1	A200058-1	E1019-50	A200027-1	A200057-1
	500MCM	Black	E1019-7	A200028-2	A200058-1	E1019-56	A200027-2	A200057-1
	750MCM	Black	E1019-13	A200028-3	A200058-7	E1019-62	A200027-3	A200057-7

Dimensions

Male:
length 5-7/8", diameter 2-5/16"

Female:
length 6-1/8", diameter 2-5/16"

Female Terminal Connectors

Cable Size	Color	Angle Style Part No.	Offset Style Description
350-750MCM	Black	E1019-575	E1019-625

Bolt Hole: 5/8"



Part No. E1019-575



Part No. E1019-625

Insulated Receptacles

Cable Size	Color	Angle Style Part No.	Offset Style Part No.
350-750MCM	Black	E1019-1600	Male 90°
350-750MCM	Black	E1019-1601	Male 30°
350-750MCM	Black	E1019-1625	Female 90°
350-750MCM	Black	E1019-1626	Female 30°



Part No. E1019-1601



Part No. E1019-1625

Protective Caps

Part No.	Color	Description
A100434-1	Black	Cap for Female
A100436-1	Black	Cap for Male



Part No. A100434-1



Part No. A100436-1

Parts and Accessories

Molding Press Parts and Vulcanizing Accessories

Part No.	Description
A100072	Cable Cutter #2-4/0 Cable
A101208	2 oz tube silicon grease for lubricating business end of synthetic rubber insulators
A200020-3	COM-A-LONG for pulling male contact in E1012, E1016, E1018 Series
A200020-5	COM-A-LONG for pulling male contact in E1017 and E1019 Series
A200020-6	COM-A-LONG for pulling female contact in E1017 and E1019
100300	Spraylube #70 lubricating compound, 12 oz aerosol
100312-2	Adhesive 8 oz can
319735-1	Neoprene Vulcanizing Tape, 1" X 45' Roll