



Quik-Loc™ Connectors

 **COOPER** Interconnect



Solutions
You Can Trust



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Cooper Interconnect provides the widest range of medium voltage Quik-Loc™ connectors designed for service under the most severe mining conditions. The resilient elastomeric molded construction provides a tough, watertight, corrosion resistant assembly ensuring rugged, dependable service.

Original Quik-Loc connectors are designed with a neoprene-molded body using copper alloy contacts, over-molded alloy couplings with neoprene-molded protective sleeves and grommets that promote safety, service and reliability. Our line of products offers 600 Volts up to 1000 Volts AC or DC capability with ratings from 75 to 500 Amps based on cable capacity. Cable range capability from #8 AWG through 500 MCM for power/ground contacts and #8-10 AWG for pilot contacts.

The following additional products are available:

- 600 Volt grounded connector with metal coupler.
- 1000 Volt grounded connector with metal coupler and offset thread pattern restricting improper mating.
- "L" Series plug and female receptacle with easy lever-action engagement.

Quik-Loc™ Connectors



600 Volt Standard Quik-Loc™ Connector

Typical Applications:

- Drills
- Shuttle Cars
- Conveyors
- Power Distribution
- Slusher Hoists
- Motors
- Heavy Equipment
- Ship-to-Shore Power

Features and Benefits:

- **Corrosion Resistant** – Molded neoprene components (insert body, sleeve, grommets), neoprene covered alloy couplings and stainless steel clamps are unaffected by most chemicals and acids.
- **Field Attachable** – Quick field assembly requires standard tools with color-coded wiring terminals indicating proper conductor locations. Dual set-screw design enhances connection.
- **Quick Disconnect** – Couplers with “pin and groove” design support engagement and disengagement in just $\frac{3}{4}$ turn. Couplers revolve freely on replaceable ball bearings.
- **Safe** – All metal components are thoroughly insulated using a barrier of molded neoprene. A reversed ground pin assures positive polarization.
- **Watertight** – Compression fit of neoprene components and cable hugging grommets provide a moisture-tight seal. Positive water seal between mated connectors is provided by an O-ring-type seal molded to the connector.

600 Volt Standard Quik-Loc™ Connector - Features Overview

Nonslipping, worm-gear driven clamps assure a watertight fit between protective sleeve, terminal area and cable. Stainless steel components resist corrosion.

One-piece neoprene protective sleeve seals wiring area from dirt, grit, and moisture.

Sturdy neoprene covered metal couplings withstand rough handling and abuse. Pin and groove threads engage or disengage in just $\frac{3}{4}$ turn; won't cross thread or burr. (Largest model has double pitch Acme thread).

Copper alloy contacts provide low resistance electrical connection; firmly bonded in molded body, won't jar loose.

Flexible grommet adapts sleeve to varying cable diameters.

Couplers revolve freely on replaceable ball bearings.

Molded-on O-ring prevents entrance of water in mated connectors.

Neoprene shoulder fits snugly in female socket recess, sealing out water.



Quik-Loc™ Connectors

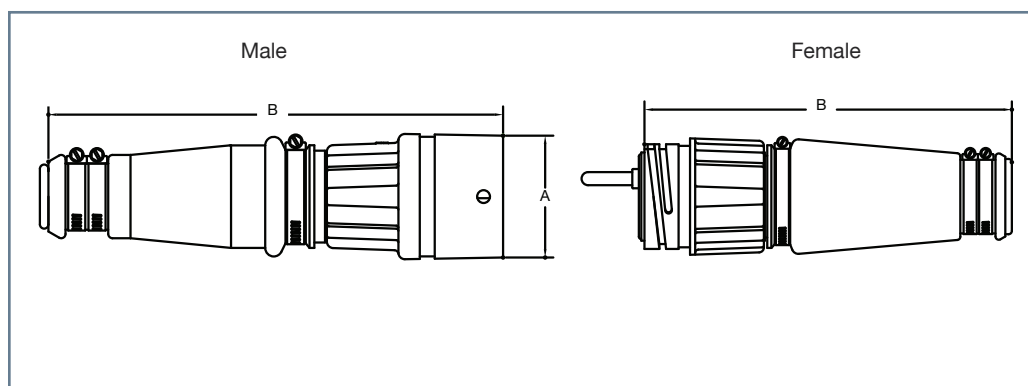
600 Volt Plugs

600 VOLT QUIK-LOC™ PLUGS								
Max. Cable Size AWG	Suggested Cable Rating	Connector Rating Only † Amps (600 V)	Dimensions (Approximate Inches)		Part Number		Protective Cap For Plug Receptacle	
			A	B	Male	Female	For Male	For Female
FOR D.C. 2 POWER + 1 GROUND WITHOUT PILOT CIRCUIT CONTACTS								
4	70	125	4	13-9/16	X8323-4C	X8323-3C	3325656-2	3325656-1
2	95	160	4	13-11/16	X8324-2C	X8324-1C	3325656-2	3325656-1
2/0	150	225	4-3/16	15-5/16	X8325-3C	X8325-2C	3325656-4	3325656-3
4/0	200	325	4-5/8	13-15/16	X8326-1C	X8326-2C	3325656-8	3325656-7
400 MCM	280	500	6	19-9/16	X8327-1C	X8326-2C	3325656-10	3325656-9
FOR D.C. 2 POWER + 1 GROUND WITH PILOT CIRCUIT CONTACTS								
8	40	75	4	13-7/16	X8329-2C	X8329-1C	3325656-2	3325656-1
4	70	125	1	13-9/16	X8330-3C	X8330-4C	3325656-2	3325656-1
2	95	160	4-3/16	14-15/16	X8331-1C	X8331-4C	3325656-4	3325656-3
2/0	150	225	4-5/8	16-15/16	X8332-1C	X8332-8C	3325656-6	3325656-5
4/0	200	325	5	16-1/2	X8333-4C	X8333-3C	3325656-8	3325656-7
300 MCM	240	425	6-7/16	22-1/4	X8334-2C	X8334-1C	3325656-10	3325656-9
500 MCM	320	625	4-7/16	29-15/16	X8335-1C	X8335-2C	3325656-12	3325656-11
FOR A.C. 3 POWER + 1 GROUND WITHOUT PILOT CIRCUIT CONTACTS								
8	35	75	3-5/8	11-13/16	X8336-3D	X8336-2D	3325656-2	3325656-1
4	65	125	4	13-9/16	X8337-3D	X8337-4D	3325656-2	3325656-1
2	90	160	3-7/8	13-1/16	X8338-2D	X8338-3D	3325656-4	3325656-3
2/0	135	225	4-3/16	14-1/16	X8339-1D	X8339-2D	3325656-6	3325656-5
4/0	180	325	5	16-1/2	X8340-5D	X8340-4D	3325656-8	3325656-7
300 MCM	220	425	6-7/16	22-1/4	X8341-2C	X8341-1C	3325656-10	3325656-9
FOR A.C. 3 POWER + 1 GROUND WITH PILOT CIRCUIT CONTACTS								
8	35	75	4	13-7/16	X8343-5D	X8343-4D	3325656-2	3325656-1
4	65	125	3-7/8	13	X8344-5D	X8344-4D	3325656-4	3325656-3
2	90	160	4-3/16	14-1/16	X8345-5D	X8345-6D	3325656-6	3325656-5
2/0	135	225	4-5/8	13-15/16	X8346-2D	X8346-1D	3325656-6	3325656-7
4/0	180	325	6-7/16	21-15/16	X8347-2D	X8347-1D	3325656-8	3325656-9
400 MCM	250	500	7-7/16	29-1/16	X8348-3B	X8348-2B	3325656-10	3325656-11

APPROVALS

600 Volt MSHA (Mine Safety Health Administration) approval for underground mining.

† This is connector rating only. Operating rating must be based on cable capacity.

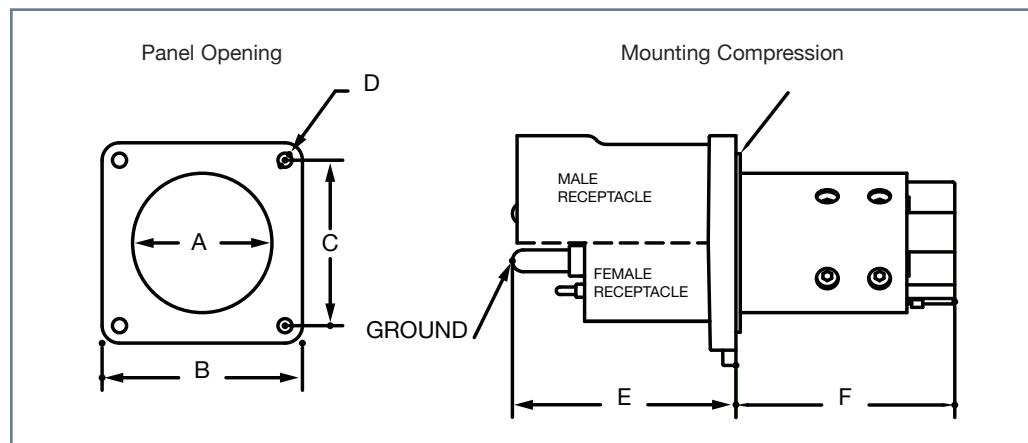


600 Volt Dust Tight Receptacles

600 VOLT QUIK-LOC™ DUST TIGHT RECEPTACLES								
Part Number		Dimensions (Approximate Inches)						Pilot Short Circuiting Cap or Fem. Rec.
Male	Female	A	B	C	D	E	F	
FOR D.C. 2 POWER + 1 GROUND WITHOUT PILOT CIRCUIT CONTACTS								
X8323-13C	X8323-8C	2	3-3/8	2-3/4	5/16	5-7/16	4	
X8324-13C	X8324-8C	2	3-3/8	2-3/4	5/16	5-9/16	4	
X8325-13C	X8325-8C	2-5/16	3-5/8	2-7/8	5/16	5-9/16	4-1/2	
X8326-13C	X8326-8C	3	4-12	3-1/2	3/8	6-1/8	5-1/16	
X8327-11C	X8327-6C	4	6	4-3/4	7/16	7-1/2	6-1/16	
FOR D.C. 2 POWER + 1 GROUND WITH PILOT CIRCUIT CONTACTS								
X8329-15C	X8329-10C	2	3-3/8	2-3/4	5/16	4-15/16	4	X8329-3
X8330-16C	X8330-12C	2	3-3/8	2-3/4	5/16	5-7/16	3-7/8	X8330-7
X8331-15C	X8331-11C	2-5/16	3-5/8	2-7/8	5/16	5-9/16	4-1/2	X8331-6
X8332-16C	X8332-13C	2-5/8	4	3-1/8	5/16	6-1/16	4-15/16	X8332-9
X8333-7C	X8333-1C	3	4-1/2	3-1/2	3/8	6-1/2	5-1/16	X8333-12
X8334-15C	X8334-10C	4	6	4-3/4	7/16	7-3/16	6-1/16	X8334-5
X8335-8C	X8335-4C	5	7-1/4	5-7/8	9/16	8-7/8	6-1/4	X8335-6
FOR A.C. 3 POWER + 1 GROUND WITHOUT PILOT CIRCUIT CONTACTS								
X8336-13D	X8336-8D	2	3-3/8	2-3/4	5/16	5-5/16	4	
X8337-14C	X8337-11C	2	3-3/8	2-3/4	5/16	5-7/16	4	
X8338-13C	X8338-8C	2-5/16	3-5/8	2-7/8	5/16	5-9/16	4-1/2	
X8339-13C	X8339-3C	2-5/8	4	3-1/4	5/16	6/1/16	4-15/16	
X8340-2C	X8340-10C	3	4-1/2	3-1/2	3/8	6-1/2	5-1/16	
FOR A.C. 3 POWER + 1 GROUND WITH PILOT CIRCUIT CONTACTS								
X8343-16C	X8343-12C	2	3-3/8	2-3/4	5/16	5-5/16	4	X8343-7
X8344-2C	X8344-1C	2-5/16	3-5/8	2-7/8	5/16	5-7/16	4-1/2	X8344-6
X8345-15C	X8345-10C	2-5/8	4	3-1/4	5/16	5-11/16	4-15/16	X8345-3
X8346-13C	X8346-8C	3	4-1/2	3-1/2	3/18	6-3/16	5-1/16	X8346-3
X8347-13C	X8347-8C	4	6	4-3/4	7/16	6-15/16	6-1/16	X8347-3
X8348-10B	X8348-7B	5	7-1/4	5-7/8	9/16	8-7/8	6-1/4	X8348-8



Male and female receptacles use machined manganese bronze mounting shells with 3/4 turn rotation.



APPROVALS

600 Volt MSHA approval for underground mining.

Quik-Loc™ Connectors

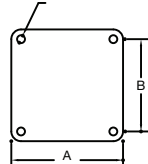


Short Circuiting Cap –
Used to jumper the pilot circuit in a disengaged connector when series wired control line to other equipment must be closed.

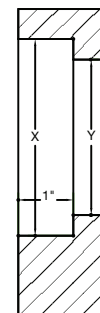
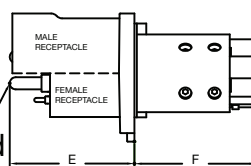
600 Volt Receptacles for Permissible Enclosures

600 VOLT QUIK-LOC™ RECEPTACLES									
Part Number		Dimensions (Approximate Inches)							Pilot Short Circuiting Cap or Fem. Rec.
Male	Female	A	B	C	D	E	X	Y	
FOR D.C. 2 POWER + 1 GROUND WITH PILOT CIRCUIT CONTACTS									
X8329-13C	X8329-8C	4-1/8	2-7/8	1/2-13	5-5/16	4	2-3/4	2	X8329-3
X8330-14C	X8330-10C	4-1/8	2-7/8	1/2-13	5-7/16	3-7/8	2-3/4	2	X8330-7
X8331-13C	X8331-9C	4-1/2	3-1/4	1/2-13	4-9/16	4-1/2	3	2-5/16	X8331-6
X8332-14C	X8332-11C	4-3/4	3-1/2	1/2-13	6-1/16	4-15/16	3-3/8	2-5/8	X8332-9
X8333-14C	X8333-10C	5	3-3/4	1/2-13	5-1/2	4-13/16	3-3/4	2-15/16	X8333-12
X8334-13C	X8334-8C	6	4-7/8	1/2-13	6-3/16	5-13/16	5-1/8	3-15/16	X8334-5
FOR A.C. 3 POWER + 1 GROUND WITH PILOT CIRCUIT CONTACTS									
X8343-14C	X8343-10C	4-1/8	2-7/8	1/2-13	5-5/16	4	2-3/4	2	X8343-7
X8344-12C	X8344-8C	4-1/2	3-1/4	1/2-13	5-7/16	4-1/2	3	2-5/16	X8344-6
X8345-15C	X8345-10C	4-3/4	3-1/2	1/2-13	5-11/16	4-3/16	3-3/8	2-5/8	X8345-3
X8346-11C	X8346-6C	5	3-3/4	1/2-13	6-3/16	5-1/16	3-3/4	2-15/16	X8346-3
X8347-11C	X8347-6C	6	3-7/8	1/2-13	6-15/16	6-1/16	5-1/8	3-15/16	X8347-3

C Blind Tap



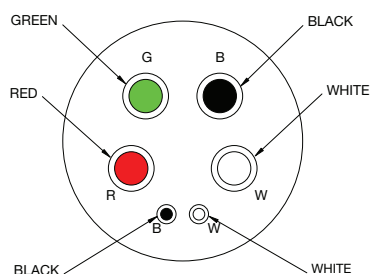
Ground



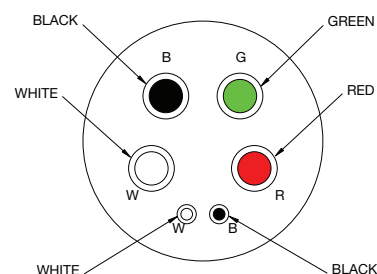
Enclosure Wall
1 - 1/4" Min.

APPROVALS

600 Volt MSHA approval for underground mining.



Female Face View



Male Face View

600 Volt Accessories

Receptacles mate with the attachable plugs and are equipped with sleeve-type wiring terminals and molded neoprene wiring barriers. Bronze alloy mounting shells and molded neoprene inserts protect against almost any environment. Receptacles are available as dust tight and for permissible use.



PARTS FOR RECEPTACLES					
Molded Insert		Mounting Shell			
		Dust Tight		Permissible	
Male	Female	For Male	For Female	For Male	For Female
X8323-2	X8323-1	A324289	324088	-	-
X8324-3	X8324-4	A324289	324088	-	-
X8325-4	X8325-1	A324357	324063	-	-
X8326-5	X8326-4	A324232	324059	-	-
X8327-14	X8327-13	A324166	324094	-	-
X8329-4	X8329-5	A324289	324088	A324292	324300
X8330-5	X8330-6	A324289	324088	A324292	324300
X8331-5	X8331-3	A324357	324063	A324350	324353
X8332-7	X8332-5	A324119	324093	A324206	324198
X8333-6	X8333-5	A324232	324059	A324231	324238
X8334-3	X8334-4	A324166	324094	A324174	324170
X8335-11	X8335-10	324095	324065	-	-
X8336-4	X8336-1	A324289	324088	-	-
X8337-6	X8337-7	A324289	324088	-	-
X8338-4	X8338-1	A324357	324063	-	-
X8339-6	X8339-5	A324119	324093	-	-
X8344-16	X8344-15	A324357	324063	A324350	324353
X8345-2	X8345-1	A324119	324093	A324206	324198
X8346-16	X8346-15	A324232	324059	A324231	324238
X8347-16	X8347-15	A324166	324094	A324174	324170
X8348-4	X8348-5	324095	324065	-	-

Molded male and female inserts for receptacle assemblies allow use of dust tight and permissible mounting shell configurations.

APPROVALS

600 Volt MSHA approval for underground mining.

Elastomeric molded sleeve and grommet design support flexible field installation with multi-conductor cables.

Sleeve and grommet capability promote environmental protection with superior chemical resistance.

600 Volt Sleeves and Grommets

Listed below are the Sleeve and Grommet Part Numbers which are supplied with each plug.

Plug	Sleeve	Grommet #1	Grommet #2	Grommet #3
X8323	325298	313305-1	313305-2	313305-5
X8324	325298	313305-1	313305-2	313305-5
X8325	325292	313327-1	313327-2	313327-7
X8326	325245	324153-1	324153-2	-
X8327	325271	324089-1	324089-2	-
X8329	325298	313305-2	-	-
X8330	325298	313305-1	313305-2	313305-5
X8331	325292	313327-2	313327-3	313327-6
X8332	325286	324044-1	324044-2	324044-5
X8333	325245	324153-1	324153-2	324153-6
X8334	325271	324089-1	324089-2	-
X8335	325305	324024-4	324024-5	-

Plug	Sleeve	Grommet #1	Grommet #2	Grommet #3
X8336	325298	313305-2	-	-
X8337	325298	313305-1	313305-2	-
X8338	325292	313327-1	313327-2	-
X8339	325286	324044-1	324044-2	-
X8340	325245	324153-1	324153-2	-
X8341	325271	313089-1	313089-2	-
X8343	325298	313305-1	-	-
X8344	325292	313327-2	313327-3	-
X8345	325286	324044-3	324044-4	-
X8346	325245	324153-2	324153-3	-
X8347	325271	324089-2	324089-3	-
X8348	325305	324024-4	324024-5	-

For Round Cable: Select grommet that adapts Inside Diameter of sleeve (supplied on plug) to Outside Diameter of cable being used.

Sleeve Part Number	Fits Cable (w/o grommet)		Extension Range of "Adapter Grommets" For Sleeves Listed at Left					
	From	To	Grommet Number	Range	Grommet Number	Range	Grommet Number	Range
325298	1.500	1.250	313305-1	1.250 1.000	313305-2	1.000 .750	313305-3	.750 .562
325292	1.813	1.562	313327-1	1.562 1.312	313327-2	1.312 1.062	313327-3	1.062 .812
325286	2.000	1.812	324044-1	1.812 1.625	324044-2	1.625 1.437	324044-3	1.437 1.250
325245	2.375	2.125	324153-1	2.125 1.937	324153-2	1.937 1.750	324153-3	1.750 1.562
325271	2.937	2.625	324089-1	2.625 2.312	324089-2	2.312 2.000	324089-3	2.000 1.812
325305	3.281	3.000	324024-4	3.000 2.812	324024-5	2.812 2.625	324024-6	2.625 2.531

Sleeve Part Number	Fits Cable (w/o grommet)		Extension Range of "Adapter Grommets" For Sleeves Listed at Left			
	From	To	Grommet Number	Range	Grommet Number	Range
325298	1.500	1.250	-	-	-	-
325292	1.813	1.562	313327-4	.812 .625	-	-
325286	2.000	1.812	324044-4	1.250 1.062	-	-
325245	2.375	2.125	324153-4	1.562 1.375	-	-
325271	2.937	2.625	-	-	-	-
325305	3.281	3.000	324024-2	2.531 2.312	324024-3	2.312 2.125

600 Volt Sleeves and Grommets

For Twin W and Twin G Cable: Select grommet that adapts Inside Diameter of sleeve (supplied on plug) to Outside Diameter of cable being used.

(†) Wire Size	#8		#6		#4		#3		#2	
Cable Dimensions	.51 X .84	.51 X .92	.56 X .93	.56 X 1.02	.61 X 1.05	.61 X 1.15	.68 X 1.14	.68 X 1.26	.73 X 1.35	.73 X 1.40
Sleeve	Part Numbers on Grommets									
325298	313305-4				313305-5					
325292					313327-6					
325286										
325245										

(†) Wire Size	#1		#1/0		#2/0		#3/0		#4/0	
Cable Dimensions	.81 X 1.40	.81 X 1.55	.93 X 1.51	.93 X 1.67	.99 X 1.63	.99 X 1.85	1.03 X 1.77	1.03 X 2.00	1.10 X 1.89	1.10 X 2.10
Sleeve	Part Numbers on Grommets									
325298										
325292			313327-7							
325286			324044-5							
325245							324153-5		324153-6	



Standard mining cable sizes require a wide range of sleeve and grommet diameters.

Sleeve and grommet capability promote environmental protection with superior chemical resistance.

† Major and Minor axis of "Twin W" and "Twin G" type cables

Quik-Loc™ Connectors



600 Volt Grounded Quik-Loc™ Connector

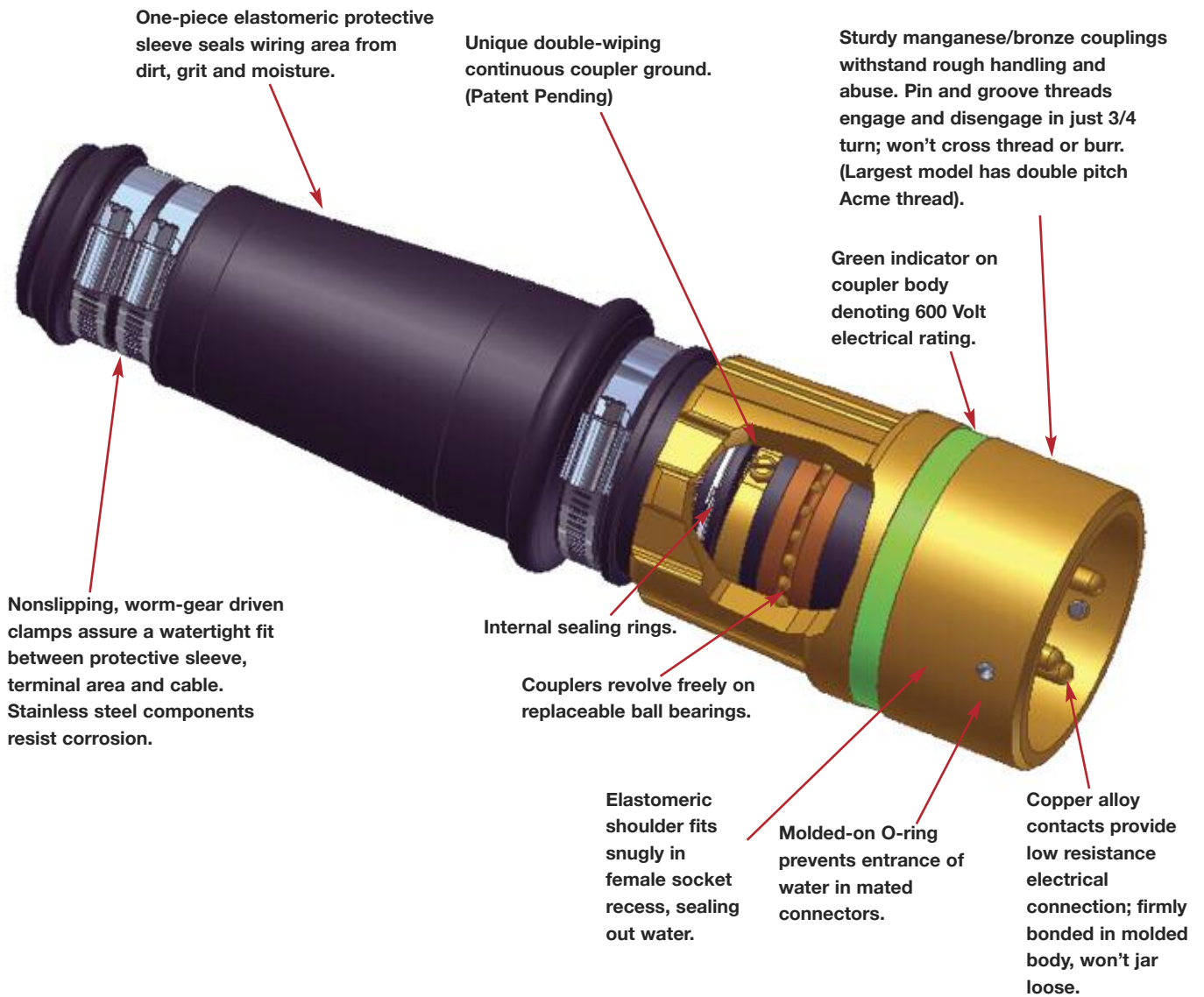
Typical Applications:

- Drills
- Shuttle Cars
- Conveyors
- Power Distribution
- Slusher Hoists
- Motors
- Heavy Equipment
- Ship-to-Shore Power

Features and Benefits:

- **Grounded Coupler** - Machined manganese bronze hardware connected to ground contact.
- **Copper Alloy Contacts** - Machined copper alloy D-shaped contacts provide additional set-screw threads.
- **Field Attachable** - Quick field assembly requires standard tools with color-coded wiring terminals indicating proper conductor locations. Dual set-screw design enhances connection.
- **Quick Disconnect** - Couplers with “pin and groove” design support engagement and disengagement in just ¼ turn. Couplers revolve freely on replaceable ball bearings.
- **Visual Indicator** - Green coupler marker identifies 600 Volt product rating.
- **Watertight** - Compression fit of neoprene components and cable-hugging grommets provide a moisture-tight seal. Positive water seal between mated connectors is provided by an O-ring-type seal molded to the connector.

600 Volt Grounded Quik-Loc™ Connector - Features Overview



Quik-Loc™ Connectors



“G” Series Quik-Loc product constructed with durable elastomeric compound, machined manganese bronze coupler and copper alloy contact design.

Heavy-duty ground spring provides sturdy circuit-to-ground contact and coupler to ensure electrical safety.

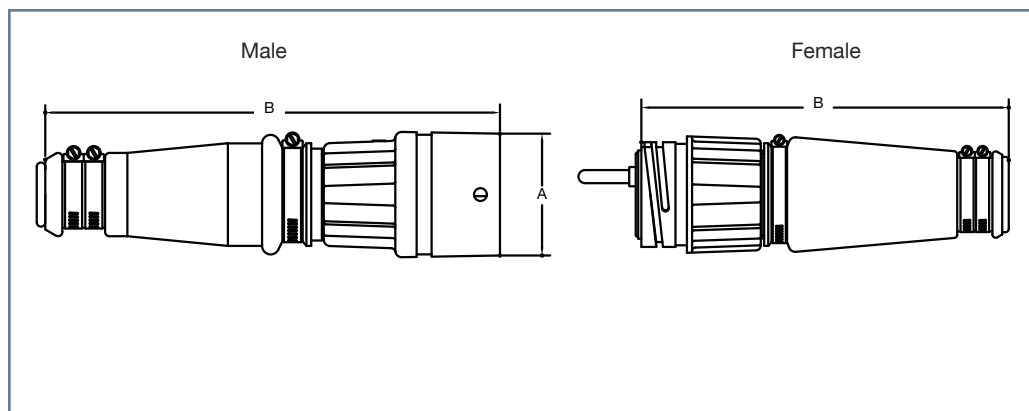
APPROVALS

600 Volt “G” Series
CSA Certified on file
#LR -13963 for mining
applications.

† This is connector rating only.
Operating rating must be based on
cable capacity.

600 Volt Grounded Plugs

“G” SERIES QUIK-LOC™ PLUGS								
Max. Cable Size AWG	Suggested Cable Rating	Connector Rating Only † Amps (600 V)	Dimensions (Approximate Inches)		Part Number		Protective Cap For Plug Receptacle	
			A	B	Male	Female	For Male	For Female
FOR A.C. 3 POWER + 1 GROUND WITHOUT PILOT CIRCUIT CONTACTS								
2/0	135	225	4-3/16	14-1/16	X8339-1G	X8339-2G	3325656-6	3325656-3
4/0	180	325	5	16-1/2	X8340-5G	X8340-4G	3325656-8	3325656-7
FOR A.C. 3 POWER + 1 GROUND WITH PILOT CIRCUIT CONTACTS								
8	35	75	4	13-7/16	X8343-5G	X8343-4G	3325656-2	3325656-1
4	65	125	3-7/8	13	X8344-5G	X8344-4G	3325656-4	3325656-3
2	90	160	4-3/16	14-1/16	X8345-5G	X8346-6G	3325656-6	3325656-5
2/0	135	225	4-5/8	13-15/16	X8346-2G	X8646-1G	3325656-6	3325656-7
4/0	180	325	6-7/16	21-15/16	X8347-2G	X8347-1G	3325656-8	3325656-9
400 MCM	250	500	7-7/16	29-1/16	X8348-3G	X8348-2G	3325656-10	3325656-11

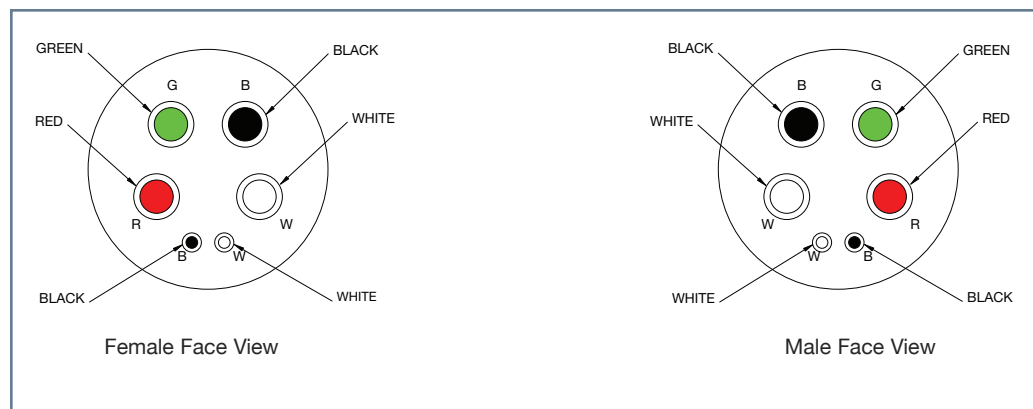
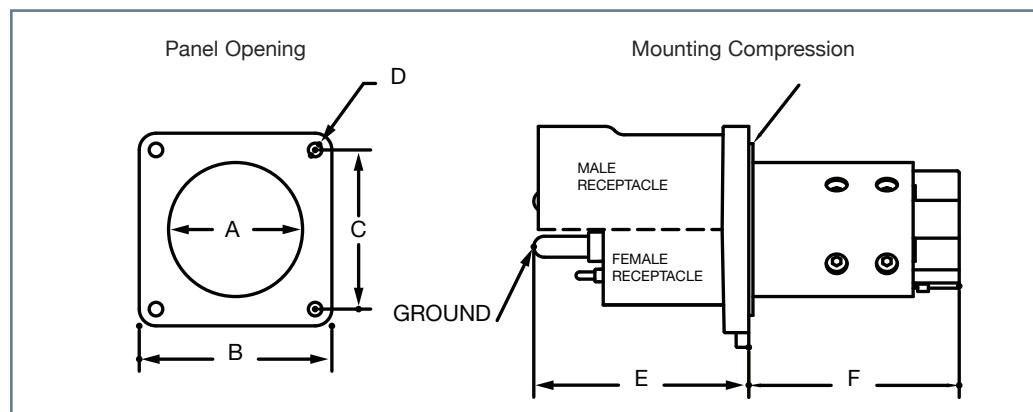


600 Volt Grounded Dust Tight Receptacles

“G” SERIES QUIK-LOC™ DUST TIGHT RECEPTACLES								
Part Number		Dimensions (Approximate Inches)						Pilot Short Circuiting Cap or Fem. Rec.
Male	Female	A	B	C	D	E	F	
FOR A.C. 3 POWER + 1 GROUND WITHOUT PILOT CIRCUIT CONTACTS								
X8339-13C	X8339-3C	2-5/8	4	3-1/4	5/16	6/1/16	4-15/16	
X8340-2C	X8340-10C	3	4-1/2	3-1/2	3/8	6-1/2	5-1/16	
FOR A.C. 3 POWER + 1 GROUND WITH PILOT CIRCUIT CONTACTS								
X8343-16C	X8343-12C	2	3-3/8	2-3/4	5/16	5-5/16	4	X8343-7
X8344-2C	X8344-1C	2-5/16	3-5/8	2-7/8	5/16	5-7/16	4-1/2	X8344-6
X8345-15C	X8345-10C	2-5/8	4	3-1/4	5/16	5-11/16	4-15/16	X8345-3
X8346-13C	X8346-8C	3	4-1/2	3-1/2	3/18	6-3/16	5-1/16	X8346-3
X8347-13C	X8347-8C	4	6	4-3/4	7/16	6-15/16	6-1/16	X8347-3
X8348-10B	X8348-7B	5	7-1/4	5-7/8	9/16	8-7/8	6-1/4	X8348-8



"G" Series Quik-Loc receptacle mates with attachable plug to ensure reliable electrical connection and environmental protection.



APPROVALS

600 Volt "G" Series
CSA Certified on file
#LR - 13963 for mining
applications.

Quik-Loc™ Connectors



1000 Volt Grounded Quik-Loc™ Connector

The medium voltage Quik-Loc connector was designed for service under the most severe mining conditions. The resilient elastomeric molded body, along with a uniquely grounded coupling, provide a tough, watertight, corrosion-resistant connection that is practically indestructible.

Features and Benefits:

- **Corrosion Resistant** – Molded elastomeric components, manganese bronze couplings, stainless steel clamps, and copper alloy contacts are unaffected by most chemicals and acids.
- **Field Attachable** – Quick field assembly requires no special tools. Color-labeled wiring terminals indicate proper conductor locations. Set screws hold conductors in place. Clamps secure protective sleeve over terminal area.
- **Quick Disconnect** – Couplers with pin and groove design revolve on low friction ball bearings, permitting positive engagement or disengagement in just $\frac{3}{4}$ turn. Sealing rings under coupler protect grounding mechanism and bearings from dirt and grime, making the coupler easier to rotate.
- **Safe** – Unique, positively grounded coupler and heavy elastomeric molded body and sleeve provide electrical protection. A reversed ground pin assures positive polarization.
- **Watertight** – Compression fit of elastomeric components and a cable-hugging grommet provides a moisture-tight seal. A positive water seal between mated connectors is provided by an O-ring-type seal molded to the connector face. A double seal is provided by elastomeric shoulders around each male contact, which fit like a cork within the female socket.

1000 Volt Grounded Quik-Loc™ Connector - Features Overview



Quik-Loc™ Connectors



1000 Volt Quik-Loc connector constructed with durable elastomeric compound, machined manganese bronze coupler and copper alloy contact design.

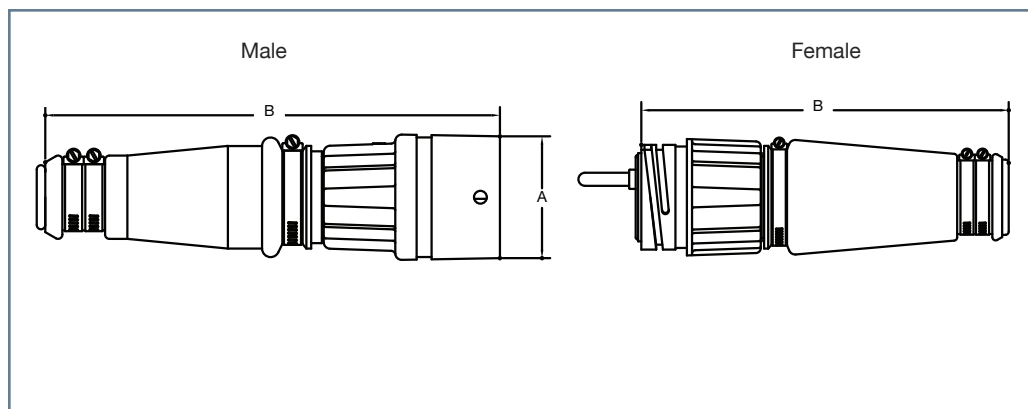
Heavy-duty ground spring provides sturdy circuit-to-ground contact and coupler to ensure electrical safety.

Manganese coupler thread with 165° design to prevent intermating with 600 Volt product.

† This is connector rating only. Operating rating must be based on cable capacity.

1000 Volt Grounded Plugs

1000 VOLT QUIK-LOC™ PLUGS						
Part Plug Numbers	Max. Cable Size AWG	90° C, 1000 V Ratings		Dimensions (Approximate Inches)		Protective Cap for Plug or Receptacle
Male		Cable Only	† Connector Only	A	B	For Male
1000 V FOR A.C. 3 POWER + 1 GROUND WITH PILOT CIRCUIT CONTACTS						
568024-1	8	59	75	3-5/8	11-13/16	3325656-2
568025-1	4	104	125	3-7/8	13	3325656-4
568026-1	2	138	160	4-3/16	14-1/16	3325656-6
568027-1	2/0	215	225	4-5/8	13-15/16	3325656-8
568028-1	4/0	287	325	6	19-9/16	3325656-10
568029-1	500 MCM	487	500	7-5/16	23-5/16	3325656-11



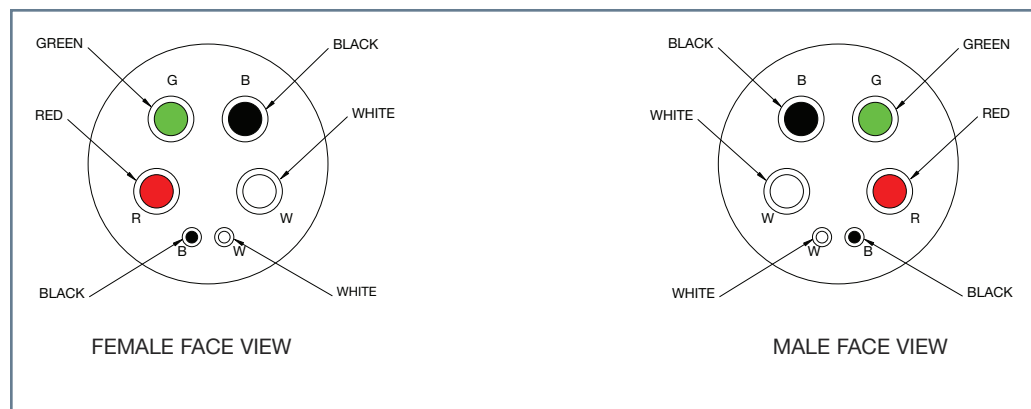
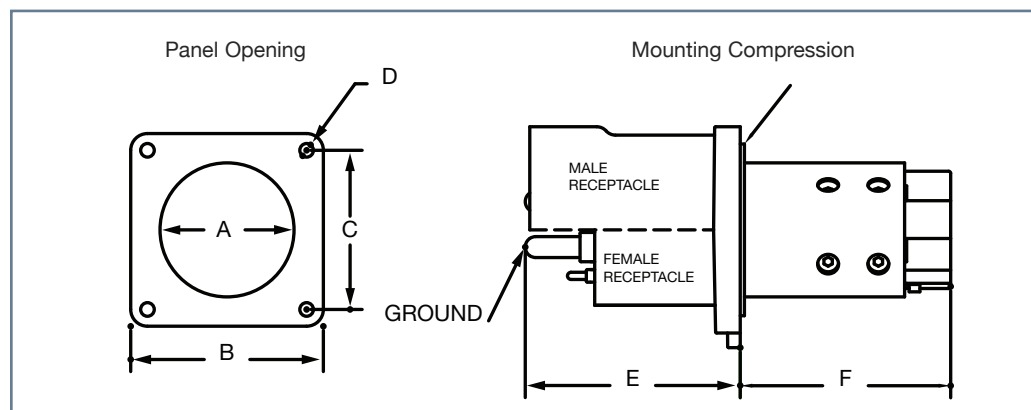
1000 Volt Dust Tight Receptacles

1000 VOLT QUIK-LOC™ PLUGS						
Part Plug Numbers	Max. Cable Size AWG	90° C, 1000 V Ratings		Dimensions (Approximate Inches)		Protective Cap for Plug or Receptacle
Female		Cable Only	† Connector Only	A	B	For Female
1000 V FOR A.C. 3 POWER + 1 GROUND WITH PILOT CIRCUIT CONTACTS						
568024-2	8	59	75	3-5/8	11-13/16	3326195
568025-2	4	104	125	3-7/8	13	3326196
568026-2	2	138	160	4-3/16	14-1/16	3326197
568027-2	2/0	215	225	4-5/8	13-15/16	3326198
568028-2	4/0	287	325	6	19-9/16	3326199
568029-2	500 MCM	487	500	7-5/16	23-5/16	3325656-12



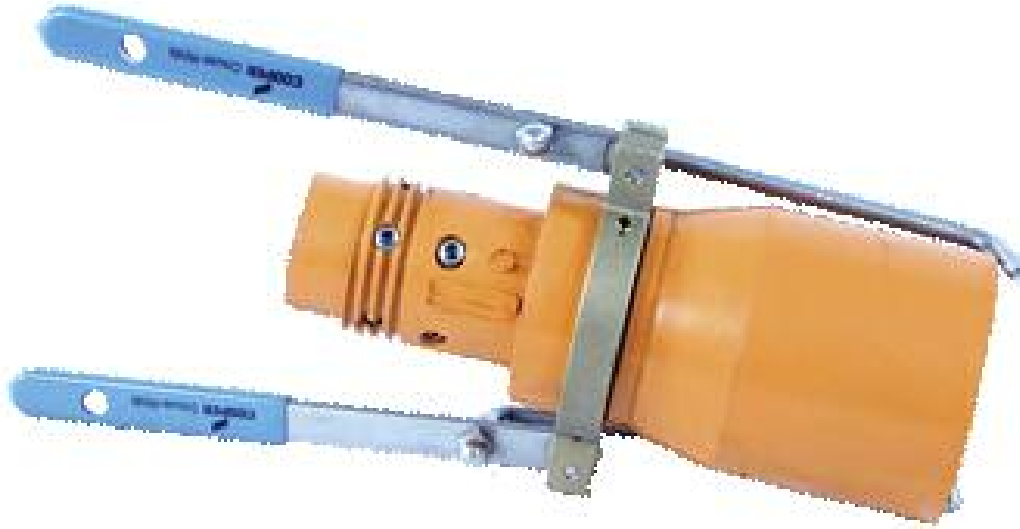
1000 Volt Quik-Loc receptacle mates with attachable plug to ensure reliable electrical connection and environmental protection.

Manganese receptacle shell thread design with 165° design to prevent intermate with 600 Volt product.



† This is connector rating only. Operating rating must be based on cable capacity.

Quik-Loc™ Connectors



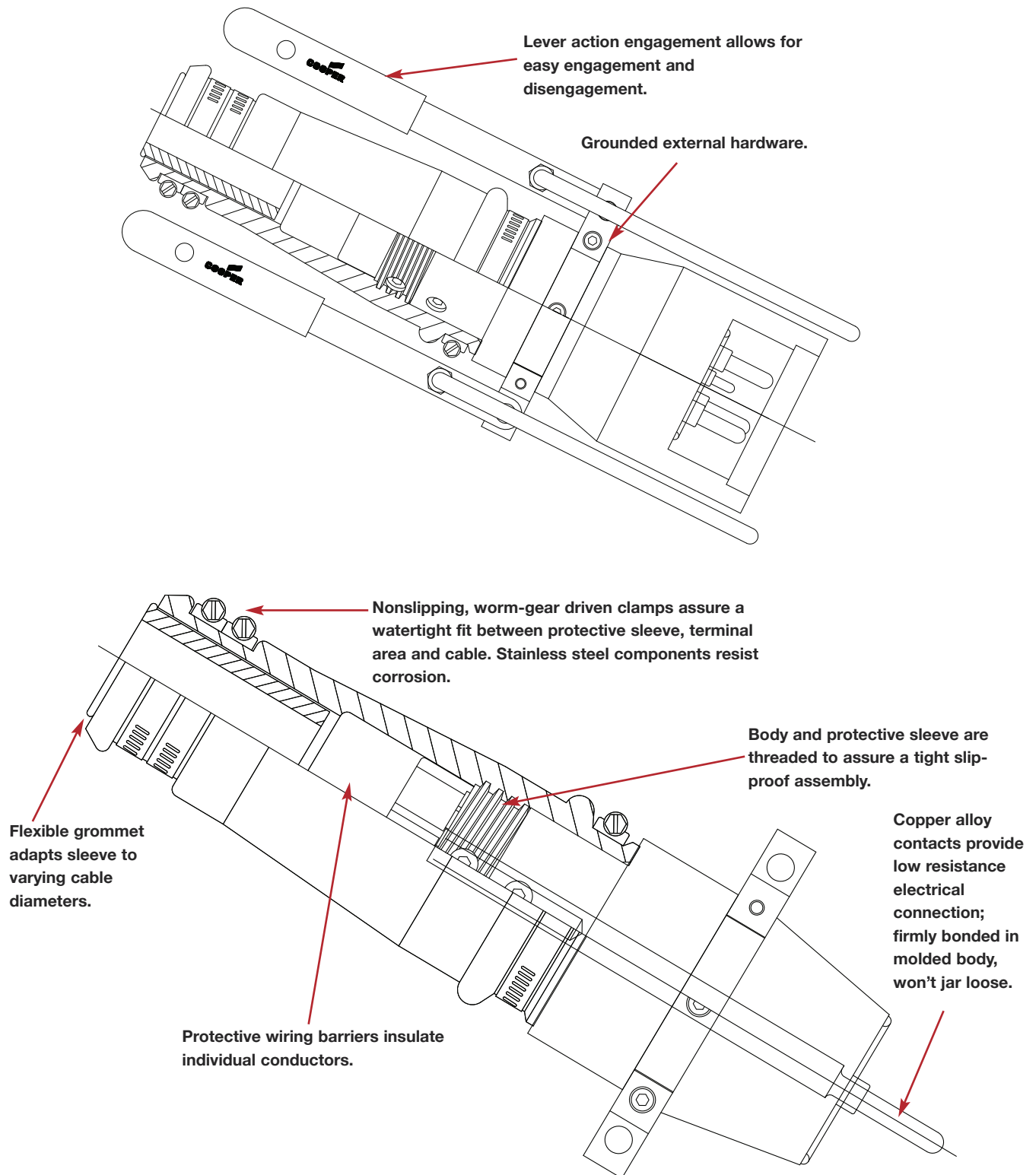
“L” Series Lever Action Quik-Loc™ Connector

From the pioneers in Quik-Loc mine connectors, Cooper Interconnect offers the “L” Series Lever Action Quik-Loc™ connectors.

Features and Benefits:

- **Quick Disconnect** - Lever action engagement allows for easy assembly and disassembly.
- **Safe** - Grounded brackets connected to ground contact support electrical safety of plug and receptacle.
- **Protected Contacts** - Extended male shroud protects contacts while disengaged. Recessed contacts prevent arcing and slip easy contact designs allow for maximum engagement while ensuring high conductivity.
- **Visual Indicator** - Color-coded plugs allow for quick identification for ampacity rating.
- **Corrosion Resistant** - Stainless steel handles and levers resist corrosion.
- **Rugged** - Neoprene body is impact and chemical resistant and designed to support rugged, harsh environments.
- **Intermateable** - Fully intermateable with competitive lever style connectors.

“L” Series Lever Action Quik-Loc™ Connector - Features Overview



Quik-Loc™ Connectors



“L” Series Lever Action Plugs

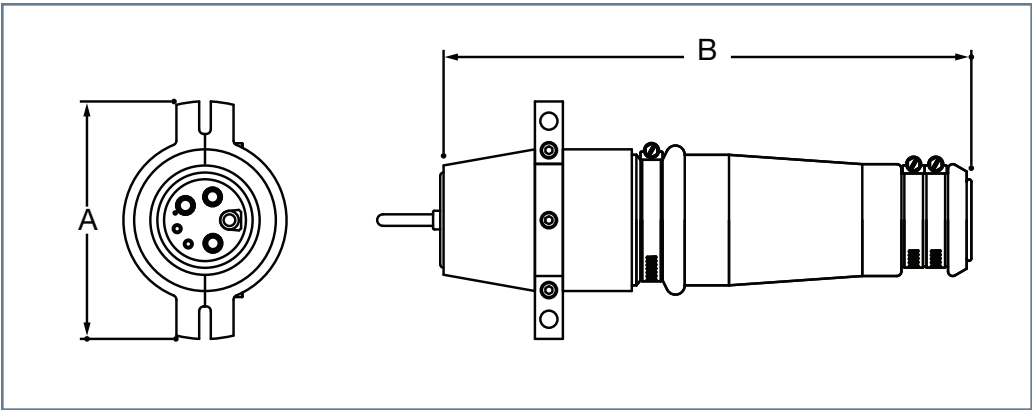
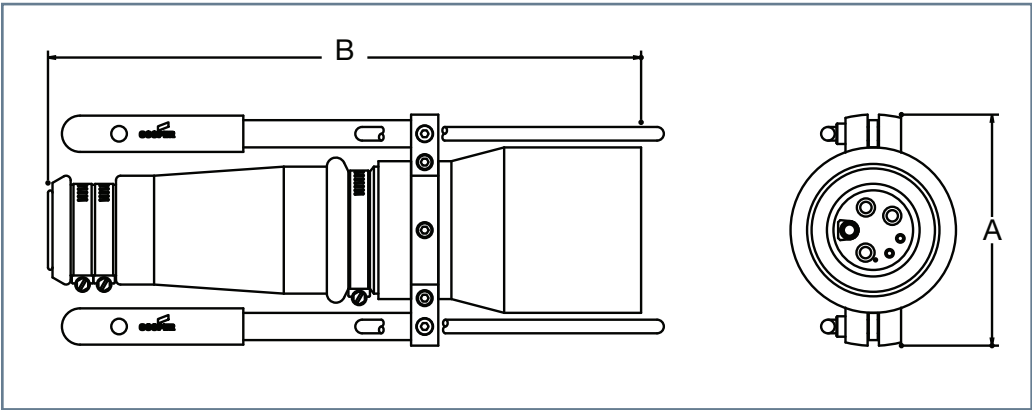
“L” SERIES LEVER ACTION QUIK-LOC™ PLUGS										
Max Cable Size AWG	Connector Rating 600 V	Part Number		Dimensions (Approximate Inches)				Color	Protective Caps	
		Male Plug	Female Plug	Male A	Male B	Female A	Female B		Male	Female
8	75A	X8343-5L	X8343-4L	16-3/8	6-3/8	14-3/16	6-3/8	Blue	L-MAL-CAP-1	L-FEM-CAP-1
4	125A	X8344-5L	X8344-4L	16-3/8	6-3/8	14-3/16	6-3/8	Red	L-MAL-CAP-1	L-FEM-CAP-1
2	160A	X8345-5L	X8345-6L	16-3/8	6-3/8	14-3/16	6-3/8	Orange	L-MAL-CAP-1	L-FEM-CAP-1
2/0	225A	X8346-2L	X8346-2L	16-1/8	6-3/8	16-1/8	6-3/8	Black	L-MAL-CAP-1	L-FEM-CAP-2

“L” Series lever action connector is a one-piece neoprene molded body that provides rugged, durable, and reliable service.

Color-coded male and female plugs support easy identification of circuit ampacity ratings.

APPROVALS

CSA Certified on file
#LR - 13963.



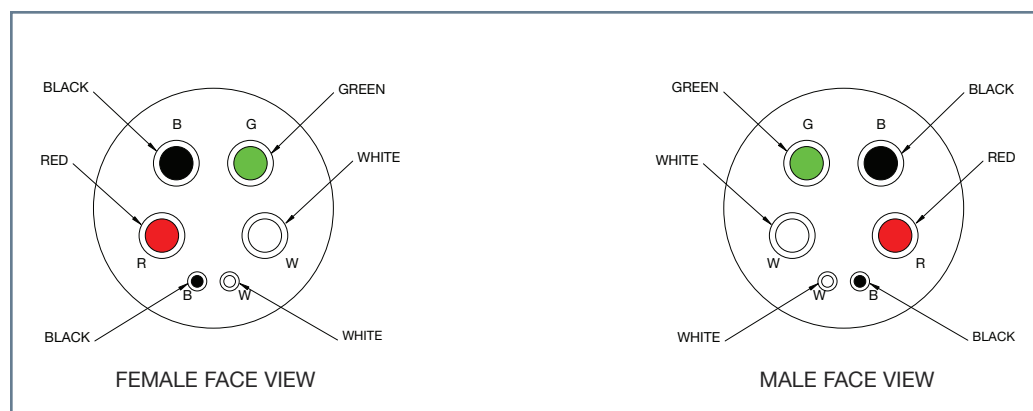
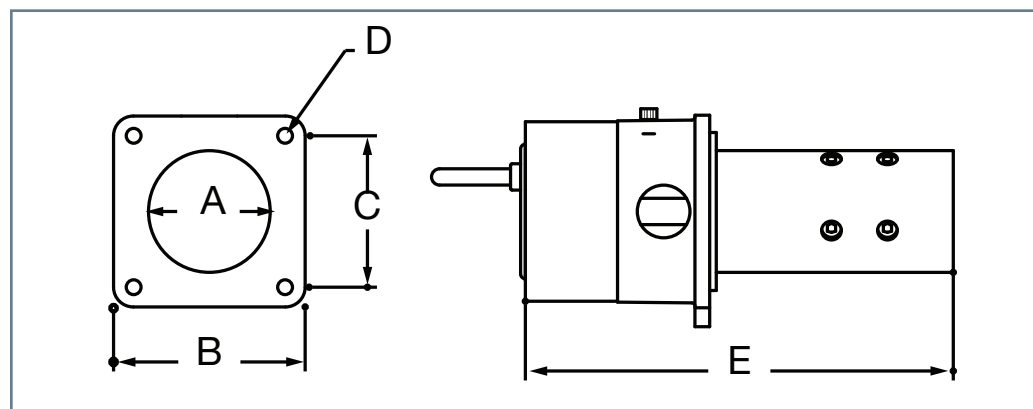
“L” Series Lever Action Receptacles

“L” SERIES LEVER ACTION QUIK-LOC™ RECEPTACLES									
Max Cable Size AWG	Connector Rating 600 V	Part Number	Dimensions (Approximate Inches)					Color	Protective Caps
		Female Receptacle	A	B	C	D	E		Female
8	75A	X8343-12L	2	3-11/16	2-3/4	9/32	7-9/16	Blue	L-FEM-CAP-1
4	125A	X8344-1L	2-5/16	3-11/16	2-7/8	9/32	8-1/8	Red	L-FEM-CAP-1
2	160A	X8345-10L	2-5/8	3-11/16	3-1/4	9/32	9-1/16	Orange	L-FEM-CAP-1
2/0	225A	X8346-8L	3-1/2	4-9/16	3	11/32	8-7/8	Black	L-FEM-CAP-2



The “L” Series female receptacle grounded shell, attached to the ground contact ensures electrical safety.

The lever action receptacle shell provides easy assembly and disassembly with reduced effort.



APPROVALS

CSA Certified on file
#LR - 13963.

Part Number Index

PART NUMBER	PAGE NUMBER	DESCRIPTION
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3325656-1.....	7.....	600 V "G" PLUGS
3325656-10.....	4.....	600 V PLUGS
3325656-10.....	7.....	600 V "G" PLUGS
3325656-10.....	16.....	1000 V PLUGS
3325656-11.....	4.....	600 V PLUGS
3325656-11.....	7.....	600 V "G" PLUGS
3325656-11.....	16.....	1000 V PLUGS
3325656-12.....	4.....	600 V PLUGS
3325656-12.....	16.....	1000 V PLUGS
3325656-2.....	4.....	600 V PLUGS
3325656-2.....	7.....	600 V "G" PLUGS
3325656-2.....	16.....	1000 V PLUGS
3325656-3.....	4.....	600 V PLUGS
3325656-3.....	7.....	600 V "G" PLUGS
3325656-3.....	7.....	600 V "G" PLUGS
3325656-4.....	4.....	600 V PLUGS
3325656-4.....	7.....	600 V "G" PLUGS
3325656-4.....	16.....	1000 V PLUGS
3325656-5.....	4.....	600 V PLUGS
3325656-5.....	7.....	600 V "G" PLUGS
3325656-6.....	4.....	600 V PLUGS
3325656-6.....	7.....	600 V "G" PLUGS
3325656-6.....	7.....	600 V "G" PLUGS
3325656-6.....	16.....	1000 V PLUGS
3325656-7.....	4.....	600 V PLUGS
3325656-7.....	7.....	600 V "G" PLUGS
3325656-7.....	7.....	600 V "G" PLUGS
3325656-8.....	4.....	600 V PLUGS
3325656-8.....	7.....	600 V "G" PLUGS
3325656-8.....	7.....	600 V "G" PLUGS
3325656-8.....	16.....	1000 V PLUGS
3325656-9.....	4.....	600 V PLUGS
3325656-9.....	7.....	600 V "G" PLUGS
3326195.....	16.....	1000 V PLUGS
3326196.....	16.....	1000 V PLUGS
3326197.....	16.....	1000 V PLUGS
3326198.....	16.....	1000 V PLUGS
3326199.....	16.....	1000 V PLUGS
568024-1.....	16.....	1000 V PLUGS
568024-2.....	16.....	1000 V PLUGS
568024-3.....	17.....	1000 V REC.
568024-4.....	17.....	1000 V REC.
568025-1.....	16.....	1000 V PLUGS
568025-2.....	16.....	1000 V PLUGS
568025-3.....	17.....	1000 V REC.
568025-4.....	17.....	1000 V REC.
568026-1.....	16.....	1000 V PLUGS

PART NUMBER	PAGE NUMBER	DESCRIPTION
568026-2.....	16.....	1000 V PLUGS
568026-3.....	17.....	1000 V REC.
568026-4.....	17.....	1000 V REC.
568027-1.....	16.....	1000 V PLUGS
568027-2.....	16.....	1000 V PLUGS
568027-3.....	17.....	1000 V REC.
568027-4.....	17.....	1000 V REC.
568028-1.....	16.....	1000 V PLUGS
568028-2.....	16.....	1000 V PLUGS
568028-3.....	17.....	1000 V REC.
568028-4.....	17.....	1000 V REC.
568029-1.....	16.....	1000 V PLUGS
568029-3.....	17.....	1000 V REC.
568029-4.....	17.....	1000 V REC.
X8323-3C.....	4.....	600 V PLUGS
X8323-4C.....	4.....	600 V PLUGS
X8323-8C.....	5.....	600 V DT REC.
X8323-13C.....	5.....	600 V DT REC.
X8324-1C.....	4.....	600 V PLUGS
X8324-2C.....	4.....	600 V PLUGS
X8324-8C.....	5.....	600 V DT REC.
X8324-13C.....	5.....	600 V DT REC.
X8325-2C.....	4.....	600 V PLUGS
X8325-3C.....	4.....	600 V PLUGS
X8325-8C.....	5.....	600 V DT REC.
X8325-13C.....	5.....	600 V DT REC.
X8326-1C.....	4.....	600 V PLUGS
X8326-2C.....	4.....	600 V PLUGS
X8326-8C.....	5.....	600 V DT REC.
X8326-13C.....	5.....	600 V DT REC.
X8327-1C.....	4.....	600 V PLUGS
X8327-6C.....	5.....	600 V DT REC.
X8327-11C.....	5.....	600 V DT REC.
X8329-1C.....	4.....	600 V PLUGS
X8329-2C.....	4.....	600 V PLUGS
X8329-3.....	5.....	600 V DT REC.
X8329-3.....	6.....	600 V REC. for PERM.
X8329-8C.....	6.....	600 V REC. for PERM.
X8329-10C.....	5.....	600 V DT REC.
X8329-13C.....	6.....	600 V REC. for PERM.
X8329-15C.....	5.....	600 V DT REC.
X8330-3C.....	4.....	600 V PLUGS
X8330-4C.....	4.....	600 V PLUGS
X8330-7.....	5.....	600 V DT REC.
X8330-7.....	6.....	600 V REC. for PERM.
X8330-10C.....	6.....	600 V REC. for PERM.
X8330-12C.....	5.....	600 V DT REC.
X8330-14C.....	6.....	600 V REC. for PERM.
X8330-16C.....	5.....	600 V DT REC.

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PART NUMBER	PAGE NUMBER	DESCRIPTION
X8331-1C	4	600 V PLUGS
X8331-4C	4	600 V PLUGS
X8331-6	5	600 V DT REC.
X8331-6	6	600 V REC. for PERM.
X8331-9C	6	600 V REC. for PERM.
X8331-11C	5	600 V DT REC.
X8331-13C	6	600 V REC. for PERM.
X8331-15C	5	600 V DT REC.
X8332-1C	4	600 V PLUGS
X8332-8C	4	600 V PLUGS
X8332-9	5	600 V DT REC.
X8332-9	6	600 V REC. for PERM.
X8332-11C	6	600 V REC. for PERM.
X8332-13C	5	600 V DT REC.
X8332-14C	6	600 V REC. for PERM.
X8332-16C	5	600 V DT REC.
X8333-1C	5	600 V DT REC.
X8333-3C	4	600 V PLUGS
X8333-4C	4	600 V PLUGS
X8333-7C	5	600 V DT REC.
X8333-10C	6	600 V REC. for PERM.
X8333-12	5	600 V DT REC.
X8333-12	6	600 V REC. for PERM.
X8333-14C	6	600 V REC. for PERM.
X8334-1C	4	600 V PLUGS
X8334-2C	4	600 V PLUGS
X8334-5	5	600 V DT REC.
X8334-5	6	600 V REC. for PERM.
X8334-8C	6	600 V REC. for PERM.
X8334-10C	5	600 V DT REC.
X8334-13C	6	600 V REC. for PERM.
X8334-15C	5	600 V DT REC.
X8335-1C	4	600 V PLUGS
X8335-2C	4	600 V PLUGS
X8335-4C	5	600 V DT REC.
X8335-6	5	600 V DT REC.
X8335-8C	5	600 V DT REC.
X8336-2D	4	600 V PLUGS
X8336-3D	4	600 V PLUGS
X8336-8D	5	600 V DT REC.
X8336-13D	5	600 V DT REC.
X8337-3D	4	600 V PLUGS
X8337-4D	4	600 V PLUGS
X8337-11C	5	600 V DT REC.
X8337-14C	5	600 V DT REC.
X8338-2D	4	600 V PLUGS
X8338-3D	4	600 V PLUGS
X8338-8C	5	600 V DT REC.
X8338-13C	5	600 V DT REC.

PART NUMBER	PAGE NUMBER	DESCRIPTION
X8339-1D	4	600 V PLUGS
X8339-1G	7	600 V "G" PLUGS
X8339-2D	4	600 V PLUGS
X8339-2G	7	600 V "G" PLUGS
X8339-3C	5	600 V DT REC.
X8339-3C	12	600 V "G" REC.
X8339-13C	5	600 V DT REC.
X8339-13C	12	600 V "G" REC.
X8340-2C	5	600 V DT REC.
X8340-2C	12	600 V "G" REC.
X8340-4D	4	600 V PLUGS
X8340-4G	7	600 V "G" PLUGS
X8340-5D	4	600 V PLUGS
X8340-5G	7	600 V "G" PLUGS
X8340-10C	5	600 V DT REC.
X8340-10C	12	600 V "G" REC.
X8341-1C	4	600 V PLUGS
X8341-2C	4	600 V PLUGS
X8341-9C	5	600 V DT REC.
X8341-13C	5	600 V DT REC.
X8343-4D	4	600 V PLUGS
X8343-4G	7	600 V "G" PLUGS
X8343-4L	20	"L" SERIES
X8343-5D	4	600 V PLUGS
X8343-5G	7	600 V "G" PLUGS
X8343-5L	20	"L" SERIES
X8343-7	5	600 V DT REC.
X8343-7	6	600 V REC. for PERM.
X8343-7	12	600 V "G" REC.
X8343-10C	6	600 V REC. for PERM.
X8343-12C	5	600 V DT REC.
X8343-12C	12	600 V "G" REC.
X8343-12L	21	"L" SERIES
X8343-14C	6	600 V REC. for PERM.
X8343-16C	5	600 V DT REC.
X8343-16C	12	600 V "G" REC.
X8344-1C	5	600 V DT REC.
X8344-1C	12	600 V "G" REC.
X8344-1L	21	"L" SERIES
X8344-2C	5	600 V DT REC.
X8344-2C	12	600 V "G" REC.
X8344-4D	4	600 V PLUGS
X8344-4G	7	600 V "G" PLUGS
X8344-4L	20	"L" SERIES
X8344-5D	4	600 V PLUGS
X8344-5G	7	600 V "G" PLUGS
X8344-5L	20	"L" SERIES
X8344-6	5	600 V DT REC.
X8344-6	6	600 V REC. for PERM.

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PART NUMBER	PAGE NUMBER	DESCRIPTION
X8344-6	12	600 V "G" REC.
X8344-8C	6	600 V REC. for PERM.
X8344-12C	6	600 V REC. for PERM.
X8345-3	5	600 V DT REC.
X8345-3	6	600 V REC. for PERM.
X8345-3	12	600 V "G" REC.
X8345-5D	4	600 V PLUGS
X8345-5G	12	600 V "G" PLUGS
X8345-5L	20	"L" SERIES
X8345-6D	4	600 V PLUGS
X8345-6L	20	"L" SERIES
X8345-8C	6	600 V REC. for PERM.
X8345-10C	5	600 V DT REC.
X8345-10C	12	600 V "G" REC.
X8345-10L	21	"L" SERIES
X8345-13C	6	600 V REC. for PERM.
X8345-15C	5	600 V DT REC.
X8345-15C	12	600 V "G" REC.
X8346-1D	4	600 V PLUGS
X8346-2D	4	600 V PLUGS
X8346-2G	7	600 V "G" PLUGS
X8346-2L	20	"L" SERIES
X8346-2L	20	"L" SERIES
X8346-3	5	600 V DT REC.
X8346-3	6	600 V REC. for PERM.
X8346-3	12	600 V "G" REC.
X8346-6C	6	600 V REC. for PERM.
X8346-6G	7	600 V "G" PLUGS
X8346-8L	21	"L" SERIES
X8346-8C	5	600 V DT REC.
X8346-8C	12	600 V "G" REC.
X8346-11C	6	600 V REC. for PERM.
X8346-13C	5	600 V DT REC.
X8346-13C	12	600 V "G" REC.
X8347-1D	4	600 V PLUGS
X8347-1G	7	600 V "G" PLUGS
X8347-2D	4	600 V PLUGS
X8347-2G	7	600 V "G" PLUGS
X8347-3	5	600 V DT REC.
X8347-3	6	600 V REC. for PERM.
X8347-3	12	600 V "G" REC.
X8347-6C	6	600 V REC. for PERM.
X8347-8C	5	600 V DT REC.
X8347-8C	12	600 V "G" REC.
X8347-11C	6	600 V REC. for PERM.
X8347-13C	5	600 V DT REC.
X8347-13C	12	600 V "G" REC.
X8348-2B	4	600 V PLUGS
X8348-2G	7	600 V "G" PLUGS

PART NUMBER	PAGE NUMBER	DESCRIPTION
X8348-3B	4	600 V PLUGS
X8348-3G	7	600 V "G" PLUGS
X8348-7B	5	600 V DT REC.
X8348-7B	12	600 V "G" REC.
X8348-8	5	600 V DT REC.
X8348-8	12	600 V "G" REC.
X8348-10B	5	600 V DT REC.
X8348-10B	12	600 V "G" REC.
X8346-1G	7	600 V "G" PLUGS

Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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