

Uni-Lock Lever-Action Connectors for Mining, Tunneling, and Industry

UNI-LOCK LEVER-ACTION CONNECTORS

STANDARD FEATURES

- Unique Connector Back and D-style Pins Prevent Arcing
- Larger and Longer Set Screws Prevent Barrel Fall-Through
- All Rubber Connector - Will Not Go Out of Round
- Engages Mechanically - Eliminates Couplers Seizing Together
- Single-Barrel Pilot Pins with Two Set Screws
- Two Grommets with O-ring Seals
- Six-fingered Female Contact Pin for Positive Contact with Male Pin
- The connectors and cable are CSA certified - The complete assembly is NOT certified
- Rough Interior Surface Secures Wire
- Connectors are Water and Dust Tight when Engaged

(The above features are available only on SMS Connectors)



UNI-LOCK LEVER ACTION JUMPER ASSEMBLY

Lever Action Jumper Assembly Provides Both Old Style and New Style Connectors

Thus Eliminating Costly Change-Over from Brass Connector to New, All Rubber Connector.

STANDARD FEATURES

- Unique Molded Assembly - Maintenance Free
- Connectors are Water and Dust Tight when Engaged
- Engages Mechanically - Eliminates Couplers Seizing Together
- Two O-ring Seals in Manganese Bronze Casting
- All Rubber Connector - Will Not Go Out of Round
- Six-Fingered Female Contact Pin for Positive Contact with Male Pin
- The connectors and cable are CSA certified - The complete assembly is NOT certified

(The above features are available only on SMS Connectors)



8340 Series Uni-Lock Lever-Action Connectors

STANDARD FEATURES

- Available only on SMS Connectors
- Unique connector back and D-style pins prevent arcing
- Longer set screws prevent barrel fall-through
- All-rubber connector wall not go out-of-round
- Engages mechanically - eliminates couplers seizing together
- Single-barrel pilot pins with two set screws
- Two grommets with O-ring seals
- Six-fingered female contact pin for positive contact
- Connectors are water and dust tight when engaged



C US
CSA
Certified
600 Volts
(SMS rated at 1,000 Volts)

APPLICATIONS

Mining

- Shuttle cars
- Cutting machines
- Distribution boxes
- Drills

Industry

- Large motors/test stands for checking motors
- Lockable hookup to large portable equipment
- Steel mills/power for locomotion equipment

Military

- Ship-to-shore power

Railroad

- Car-to-car power

Uni-Lock Lever-Action Connector

3 Power / 1 Ground: 1 or 2 Pilots: 1000V 4 RATED

Maximum Cable AWG	Connector Rating AMPS	Cable Attachment		Panel Mount		Color	Protective Caps	
		Male	Female	Male	Female		Male	Female
8	75	8343-501 or 2	8343-401 or 2	8343-1601 or 2	8343-1201 or 2	Blue	3325656-201	3325656-101
4	125	8344-501 or 2	8344-401 or 2	8344-201 or 2	8344-101 or 2	Red	3325656-401	3325656-301
2	160	8345-501 or 2	8345-601 or 2	8345-1501 or 2	8345-1001 or 2	Black	3325656-601	3325656-501
2/0	225	8346-201 or 2	8346-101 or 2	8346-1301 or 2	8346-801 or 2	Black	3325656-801	3325656-701
4/0	325	8347-201 or 2	8347-101 or 2	8347-1301 or 2	8347-801 or 2	Black	3325656-1001	3325656-901

Part No.	Maximum Cable AWG	Connector Rating		Description	Colors
		Volts	Amps		
8348-301	500MCM	1000	500	Male Cable Attachable	Black / Blue Green / Orange Red / White Yellow
8348-201	500MCM	1000	500	Female Cable	
8348-1001	500MCM	1000	500	Male Panel Mount	
8348-701	500MCM	1000	500	Female Panel Mount	

8348 SERIES - SPECIAL MINES SERVICES RECOMMENDED RATINGS

Protective Caps: Part No.

3325656-1201

3325656-1101

8348-8

Description

Female Cap to fit a Male Connector

Male Cap to fit a Female Connector

Pilot Short Circuiting Cap - for Female Panel Mount

Select grommet that adapts I.D. of sleeve (supplied on plug) to O.D. of cable being used

When ordering grommets for Level-Action Connectors, identify the part prefix LA (e.g. 313305-1LA)

Identify grommets for SHD-GC 2kV cable highlighted below in red:

Connector Sleeve No.	O.D. Cable Range (no grommet)	O.D. Cable Range Grommet No.	O.D. Cable Range Grommet No.	O.D. Cable Range Grommet No.	O.D. Cable Range Grommet No.	O.D. Cable Range Grommet No.
8343 No. 325298	1.500 → 1.250	1.250 → 1.000 No. 313305-1	1.000 → .750 No. 313305-2	.750 → .562 No. 313305-3	-	-
8344 No. 325292	1.813 → 1.562	1.562 → 1.312 No. 313327-1	1.312 → 1.062 No. 313327-2	1.062 → .812 No. 313327-3	.812 → .625 No. 313327-4	-
8345 No. 325286	2.000 → 1.812	1.812 → 1.625 No. 324044-1	1.625 → 1.437 No. 32 4044-2	1.437 → 1.250 No. 324044-3	1.250 → 1.062 No. 324044-4	-
8346 No. 325245	2.375 → 2.125	2.125 → 1.937 No. 324153-1	1.937 → 1.750 No. 324153-2	1.750 → 1.562 No. 324153-3	1.562 → 1.375 No. 324153-4	-
8347 No. 325271	2.937 → 2.625	2.625 → 2.312 No. 324089-1	2.312 → 2.000 No. 324089-2	2.000 → 1.812 No. 324089-3	-	-
8348 No. 325305	3.281 → 3.000	3.000 → 2.812 No. 324024-4	2.812 → 2.625 No. 324024-5	2.625 → 2.531 No. 324024-6	2.531 → 2.312 No. 324024-2	2.312 → 2.125 No. 324024-3



Uni-Lock Lever-Action Connectors Parts List

Part No. (Large Carton) Description

LEVER ACTION CONNECTOR PARTS LIST

8343-1994M	Clamps Male Set
8343-1994F	Clamps Female Set
8343-1995L	Handle Cable Mount Connector
8343-1995R	Handle Panel Mount Connector
8343-1996L	Draw Bar Cable Mount Connector
8343-1996R	Draw Bar Panel Mount Connector
8343-1997F	Female Recept. Eye Bolt
8343-1997M	Male Recept. Eye Bolt
4543S	Stainless 45 deg Box
8344-1994M	Clamps Male Set
8344-1994F	Clamps Female Set
8344-1995L	Handle Cable Inline Connector
8344-1995R	Handle Receptable
8344-1996L	Draw Bar Cable Inline Connector
8344-1996R	Draw Bar Receptable
8344-1997M	Male Recept. Eye Bolt
8344-1997F	Female Recept. Eye Bolt
4544S	Stainless 45 deg Box
8345-1994M	Clamps Male Set
8345-1994F	Clamps Female Set
8345-1995L	Handle Cable Inline Connector
8345-1995R	Handle Receptable
8345-1996L	Draw Bar Cable Inline Connector
8345-1996R	Draw Bar Receptable
8345-1997M	Male Recept. Eye Bolt
8345-1997F	Female Recept. Eye Bolt
4545S	Stainless 45 deg Box
8346-1994M	Clamps Male Set
8346-1994F	Clamps Female Set
8346-1995L	Handle Cable Inline Connector
8346-1995R	Handle Receptable
8346-1996L	Draw Bar Cable Inline Connector
8346-1996R	Draw Bar Receptable
8346-1997M	Male Recept. Eye Bolt
8346-1997F	Female Recept. Eye Bolt
4546S	Stainless 45 deg Box
8347-1994M	Clamps Male Set
8347-1994F	Clamps Female Set
8347-1995L	Handle Cable Inline Connector
8347-1995R	Handle Receptable
8347-1996L	Draw Bar Cable Inline Connector
8347-1996R	Draw Bar Receptable
8347-1997M	Male Recept. Eye Bolt
8347-1997F	Female Recept. Eye Bolt
8348-1994M	Clamps Male Set
8348-1994F	Clamps Female Set
8348-1995L	Handle Cable Inline Connector
8348-1995R	Handle Receptable
8348-1996L	Draw Bar Cable Inline Connector
8348-1996R	Draw Bar Receptable
8348-1997FCA	Female Cable Inline Eye Bolt
8348-1997FPM	Male Panel Mount Eye Bolt
8348-1997MPM	Female Panel Mount Eye Bolt
8348-1998FCA	Female Cable Attachment Wire Retainer
8348-1998FPM	Female Panel Mount Wire Retainer
H C	Hose Clamp

Part No. Description

CLEANING TOOLS

43FCT	8343 Female Contacts
43FPCT	8343 Female Pilot Contacts
43MCT	8343 Male Contacts Length 3"
43MPCT	8343 Male Pilot Contacts
44FCT	8344 Female Contacts
44FPCT	8344 Female Pilot Contacts
44MCT	8344 Male Contacts Length 3"
44MPCT	8344 Male Pilot Contacts
45FCT	8345 Female Contacts
45FPCT	8345 Female Pilot Contacts
45MCT	8345 Male Contacts Length 3"
45MPCT	8345 Male Pilot Contacts
46FCT	8346 Female Contacts
46FPCT	8346 Female Pilot Contacts
46MCT	8346 Male Contacts Length 3"
46MPCT	8346 Male Pilot Contacts

BRASS MOUNTING SHELLS for Panel Mounts

324059	Mounting Shell 8346 Female Panel Mount
324059LA	Mounting Shell 8346 Lever Action Female Panel Mount
324063	Mounting Shell 8344 Female Panel Mount
324063LA	Mounting Shell Lever Action 8344 Female Panel Mount
324063LAMAG	Mounting Shell Lever Action Mag30 Female Panel Mount
324065	8348 Female Mounting Shell
324065LA	8348 Lever Action Female Mounting Shell
324088	8343 Female Panel Mount Mounting Shell
324088LA	8343 Lever Action Female Mounting Shell
324093	Mounting Shell 8345 Female Panel Mount
324093LA	8345 Lever Action Female Mounting Shell
324094	8347 Mounting Shell Female Panel Mount
324094LA	8347 Lever Action Female Mounting Shell
324095	8347 Male Panel Mount Mounting Shell
324095LA	8347 Male Panel Mount Lever Action Mounting Shell
A324119	Mounting Shell 8345 Male Panel Mount
A324119LA	Mounting Shell Lever Action 8345 Male Panel Mount
A324166	Mounting Shell 8347 MPM
A324166LA	8347 Mounting Shell Lever Action
A324232	Mounting Shell 8346 MPM
A324232LA	8346 Mounting Shell Lever Action
A324289	Mounting Shell 8343 MPM
A324289LA	8343 Mounting Shell Lever Action
A324357	Mounting Shell 8344 MPM
A324357LA	Mounting Shell Lever Action 8344 MPM
A324357LAMAG	Mounting Shell Lever Action MAG30 MPM

Mag Series Electrical Connectors



With pride we introduce a new series of electrical connectors to the mining and industrial markets.

FEATURES

Made of high-density rubber resulting in a more durable, longer lasting, and “user-friendly” connector. Amps designated by different colors.

Specifications

- 1000 volts
- 30/60/100 amps (color coded)
- Complete with two grommets
- 3 phase
- 1 ground
- 1 pilot



Virtually Indestructible!

Part No.	Cable	Amps	Description	Color	Protective Caps
Mag30-1501	#8 3C/GGC	30	Female Panel Mount Insert	Blue	MAG30F-CAP MAG30M-CAP
Mag30-1601	#8 3C/GGC	30	Male Panel Mount Insert		
Mag30-101	#8 3C/GGC	30	Female Panel Mount		
Mag30-201	#8 3C/GGC	30	Male Panel Mount		
Mag30-401	#8 3C/GGC	30	Female Cable Attachable	Red	MAG30F-CAP MAG30M-CAP
Mag30-501	#8 3C/GGC	30	Male Cable Attachable		
Mag60-1501	#4 3C/GGC	60	Female Panel Mount Insert		
Mag60-1601	#4 3C/GGC	60	Male Panel Mount Insert		
Mag60-101	#4 3C/GGC	60	Female Panel Mount	Red	MAG60F-CAP MAG60M-CAP
Mag60-201	#4 3C/GGC	60	Male Panel Mount		
Mag60-401	#4 3C/GGC	60	Female Cable Attachable		
Mag60-501	#4 3C/GGC	60	Male Cable Attachable		
Mag100-1501	#1 3C/GGC	100	Female Panel Mount Insert	Black	MAG100F-CAP MAG100M-CAP
Mag100-1601	#1 3C/GGC	100	Male Panel Mount Insert		
Mag100-101	#1 3C/GGC	100	Female Panel Mount		
Mag100-201	#1 3C/GGC	100	Male Panel Mount		
Mag100-401	#1 3C/GGC	100	Female Cable Attachable	Black	MAG100F-CAP MAG100M-CAP
Mag100-501	#1 3C/GGC	100	Male Cable Attachable		

MAG Grommets For SHD-GC 2kV Cable

Mag Connector	#4 SHD-GC Grommet	#6 SHD-GC Grommet
MAG60-401	MAG-60G-4S	-
MAG60-501	MAG-60G-4S	-
MAG100-401	MAG-60G-4S	-
MAG100-501	MAG-60G-4S	-
MAG30-401	MAG-60G-4S	MAG-60G
MAG30-501	MAG-60G-4S	MAG-60G
MAG60-401	-	MAG-60G
MAG60-501	-	MAG-60G
MAG100-401	-	MAG-60G
MAG100-501	-	MAG-60G

Lever Action Jumper Assembly

Lever action jumper assembly provides both old style and new style connectors thus eliminating costly change-over from brass connector to new, all-rubber connector.

Standard Features

- **Unique molded assembly** - free of maintenance
- Connectors are water - and dust-tight when engaged
- Engages mechanically - eliminates couplers seizing together
- Manganese bronze connector provides immediate connect
- Two O-ring seals in manganese bronze casting
- All rubber connector - will not go out of round
- Six-fingered female contact pin for positive contact with male pin
- The connectors and cable are CSA certified - The complete assembly is NOT certified



(The above features are available only on SMS Connectors)

PART NUMBERS

Maximum Cable AWG	Connector Rating (600V) AMP	Unilock/Quicklock Male Series (old style)	SMS Jumper Assembly (connects)	Lever Action Female Series (new style)
8	75	8343-5M or 16M	← A43-FM →	8343-401F or 1201F
4	125	8344-5M or 2M	← A44-FM →	8344-401F or 101F
2	160	8345-5M or 15M	← A45-FM →	8345-601F or 1001F
2/0	225	8346-2M or 13M	← A46-FM →	8346-101F or 801F
4/0	325	8347-2M or 13M	← A47-FM →	8347-101F or 801F
400MCM	500	8348-3M or 10M	← A48-FM →	8348-201F or 701F
Maximum Cable AWG	Connector Rating (600V) AMP	Unilock/Quicklock Feale Series (old style)	SMS Jumper Assembly (connects)	Lever Action Male Series (new style)
8	75	8343-4F or 12F	← A43-MF →	8343-501M or 1601M
4	125	8344-4F or 1F	← A44-MF →	8344-501M or 201M
2	160	8345-6F or 10F	← A45-MF →	8345-501F or 1501M
2/0	225	8346-1F or 8F	← A46-MF →	8346-201M or 1301M
4/0	325	8347-1F or 8F	← A47-MF →	8347-201M or 1301M
500MCM	500	8348-1F or 7F	← A48-MF →	8348-301M or 1001M



Products for the Mining, Tunneling, and Industrial Markets

Electrical Products

Cable Hangers
J-Hooks
Cable Cutters (H.K. Porter)
Cable Fault Locator and Tracers
High Voltage Gloves
Testing Plugs and Plug Repair
Cable Grips (Kellems)
Trolley Hardware (Phoenix)
Ground Check and Fault Monitors:
(AMR/Pemco/MCI)
String-A-Lights
Tie Wire
Belt Monitoring (Ensign/AMR)
Belt Switches (Conkie/Hawkeye)
Limit Switches (Cutter-Hammer)
Lighting Systems (SMC)
Coax Connectors
Vacuum Load Break Switches (SMC)
Connectors:
Woodhead/Burndy/T&B/3M/Amp/
Panduit
Low Voltage Connectors:
MCI/SMS Uni-Lock/P.D.P./Ensign
Victor

Electrical Cable

Bare Copper and Aluminum
Trolley Wire
Blasting Wire and Shot
S.O. Cords
Bore Hole Cable
Armoured Cable
Monitor and Sensor Cables
Computer Cables
Shuttle Car
Continuous Miner Cable
Shovel Cable
Pump Cable
Remote Drill Cord
Jumper Cable
Welding Cable
Loaders-Cutters-Drills
Locomotive Cable
Longwall Cable
Military Specifications
Mine Power Feeder
Traffic Signal
Communication
Building Wire
Portable Control Cables
Power Cable

Electrical Cable Manufacturers

BICC Cablec
Larabee Powerflex
Essex
Royal
Carol
A.I.W.
General
Prestolite
Service Wire

Cable Services

High and Low Voltage Reconditioned
Coupler Installation
Molded Pot Heads
Stress Cones
Jacket Patches
Reinsulation
Railbonds
Cable Splicing

Splice Kits

Plymouth
AMP
3M
RMS
MPI
RAYCHEM

Cable Repair Supplies

Plymouth - Tapes/Shielding Braid
Okonite - Tape/Splicing Cement
3M - Tape/Braid/Lugs
Rice Shielding Braid
Cable Jigs
Molds
Vulcanizers

Other Fine Products And Services

Exide Batteries
Douglas Batteries
Sounding Rods
Mine Sealant
Mine Ventilation Products
Mine Battery Repair
Battery Chargers
Pumps
Cable Guards

Uni-Lock Lever-Action Protective Caps, Panel Mounts & 45° Mounts



Pro caps with Stainless Steel Turn Buckles, ADD SSTB to the part number indicated

Protective Caps		Panel Mounts		Panel Mount Shells		Panel Mount Inserts		45° Mount
Male	Female	Male	Female	Male	Female	Male	Female	

3 Power and 1 Ground with single pilot contact

3325656-201	3325656-101	8343-1601	8343-1201	A-324289LA	324088LA	8343-601	8343-101	4543
3325656-401	3325656-301	8344-201	8344-101	A-324063LA	324063LA	8344-1601	8344-1501	4544
3325656-601	3325656-501	8345-1501	8345-1001	A-324119LA	324093LA	8345-201	8345-101	4545
3325656-801	3325656-701	8346-1301	8346-801	A-324232LA	324059LA	8346-1601	8346-1501	4546
3325656-1001	3325656-901	8347-1301	8347-801	A-324166LA	324094LA	8347-1601	8347-1501	N/A
3325656-1201	3325656-1101	8348-1001	8348-701	324095LA	324065LA	8348-401	8348-501	N/A

3 Power and 1 Ground with 2 pilot contacts

3325656-201	3325656-101	8343-1602	8343-1202	A-324289LA	324088LA	8343-602	8343-102	4543
3325656-401	3325656-301	8344-202	8344-102	A-324063LA	324063LA	8344-1602	8344-1502	4544
3325656-601	3325656-501	8345-1502	8345-1002	A-324119LA	324093LA	8345-202	8345-1502	4545
3325656-801	3325656-701	8346-1302	8346-802	A-324232LA	324059LA	8346-1602	8346-1502	4546
3325656-1001	3325656-901	8347-1306	8347-802	A-324166LA	324094LA	8347-1602	8347-1502	N/A
3325656-1201	3325656-1101	8348-1002	8348-702	324095LA	324065LA	8348-402	8348-502	N/A

3 Power and 1 Ground with 3 pilot contacts

3325656-201	3325656-101	8343-1603	8343-1203	A-324289LA	324088LA	8343-603	8343-103	4543
3325656-401	3325656-301	8344-203	8344-103	A-324063LA	324063LA	8344-1603	8344-1503	4544
3325656-601	3325656-501	8345-1503	8345-1003	A-324119LA	324093LA	8345-203	8345-103	4545
3325656-801	3325656-701	8346-1303	8346-803	A-324232LA	324059LA	8346-1603	8346-1503	4546
3325656-1001	3325656-901	8347-1303	8347-803	A-324166LA	324094LA	8347-1603	8347-1503	N/A
3325656-1201	3325656-1101	8348-1003	8348-703	324095LA	324065LA	8348-403	8348-503	N/A

Cap-Mag-30-60-100

Mag30F-Cap-Blue

Mag30M-Cap-Blue

Mag60F-Cap-Red

Mag60M-Cap-Red

Mag100F-Cap-Black

Mag100M-Cap-Black

Protective Caps

Caps for Female Mag30 connectors

Caps for Male Mag30 connectors

Caps for Female Mag60 connectors

Caps for Male Mag60 connectors

Caps for Female Mag100 connectors

Caps for Male Mag100 connectors

These are connector ratings only. Operating ratings must be based on cable capacity.