



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)



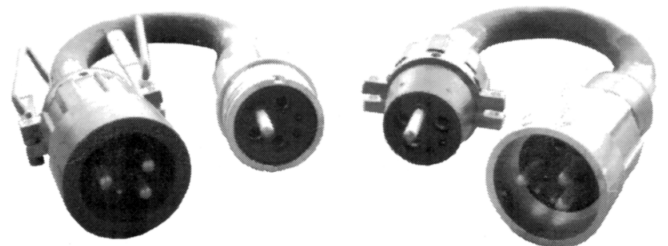
UNI-LOCK LEVER ACTION JUMPER ASSEMBLY

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



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.	Description
3325656-1201	Female Cap to fit a Male Connector
3325656-1101	Male Cap to fit a Female Connector
8348-8	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.

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. 324044-2	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



Lever-Action Connectors Parts List

Model #	Description
8343-1994M	Clamps Male Set
8343-1994F	Clamps Female Set
8343-1995L	Handle Cable Inline Connector
8343-1995R	Handle Receptable
8343-1996L	Draw Bar Cable Inline Connector
8343-1996R	Draw Bar Receptable
8343-1997	Receptable Eye Bolt
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
8344-1997	Receptable Eye Bolt
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
8345-1997	Receptable Eye Bolt
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
8346-1997	Receptable Eye Bolt
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
8347-1997	Receptable 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 Retanier
8348-1998FPM	Female Panel Mount Wire Retanier
HC	Hose Clamp



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

SMS OFFICE LOCATIONS

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USA: 618-937-8333
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CANADIAN OFFICE • TORONTO

Sales & Technical Support

Canada: 647-808-0965
Fax: 847-656-5094

WWW.SMSCONNECTORS.COM

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

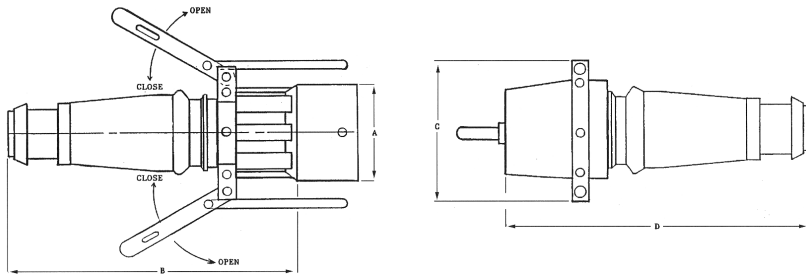


(The above features are available only on SMS Connectors)

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

Uni-Lock Lever-Action Connectors



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

Max. Cable AWG	Connector Rating (750V) AMP	Cable Attachment			Dimensions				Panel Mount		Dimensions					
		Male	Female	Color	A	B	C	D	Male	Female	A	B	C	D	E	F
Power and 1 Ground with single pilot contact																
8	75	8343-501	8343-401	Blue	4 1/2	14 1/2	6	13 3/4	8343-1601	8343-1201	2 3/8	3 3/8	2 3/4	9/32	5	4
4	125	8344-501	8344-401	Red	4 1/2	14 1/2	6	13 3/4	8344-201	8344-101	2 5/8	3 5/8	2 7/8	9/32	5	4 1/2
2	160	8345-501	8345-601	Black	4 1/2	14 1/2	6	13 3/4	8345-1501	8345-1001	2 15/16	4	3 5/16	9/32	5 1/8	4 15/16
2/0	225	8346-201	8346-101	Black	4 7/8	14	6	14 1/4	8346-1301	8346-801	3 3/8	4 1/2	3 9/16	11/32	6 1/4	6
4/0	325	8347-201	8347-101	Black	5	20	6 1/2	20	8347-1301	8347-801	4 1/2	6	4 13/16	13/32	6 1/4	6
400MCM	500	8348-301	8348-201	Black	6 1/2	21 1/4	10 3/4	25 3/4	8348-1001	8348-701	5	7 1/4	5 7/8	17/32	8 5/8	6 1/2
3 Power and 1 Ground with 2 pilot contacts																
8	75	8343-502	8343-402	Blue	4 1/2	14 1/2	6	13 3/4	8343-1602	8343-1202	2 3/8	3 3/8	2 3/4	9/32	5	4
4	125	8344-502	8344-402	Red	4 1/2	14 1/2	6	13 3/4	8344-202	8344-102	2 5/8	3 5/8	2 7/8	9/32	5	4 1/2
2	160	8345-502	8345-602	Black	4 1/2	14 1/2	6	13 3/4	8345-1502	8345-1002	2 15/16	4	3 5/16	9/32	5 1/8	4 15/16
2/0	225	8346-202	8346-102	Black	4 7/8	14	6	14 1/4	8346-1302	8346-802	3 3/8	4 1/2	3 9/16	11/32	5 5/15	4 15/16
4/0	325	8347-201	8347-102	Black	5	20	6 1/2	20	8347-1306	8347-802	4 1/2	6	4 13/16	13/32	6 1/4	6
3 Power and 1 Ground with 3 pilot contacts																
8	75	8343-503	8343-403	Blue	4 1/2	14 1/2	6	13 3/4	8343-1603	8343-1203	2 3/8	3 3/8	2 3/4	9/32	5	4
4	125	8344-503	8344-403	Red	4 1/2	14 1/2	6	13 3/4	8344-203	8344-103	2 5/8	3 5/8	2 7/8	9/32	5	4 1/2
2	160	8345-503	8345-603	Black	4 1/2	14 1/2	6	13 3/4	8345-1503	8345-1003	2 15/16	4	3 5/16	9/32	5 1/8	4 15/16
2/0	225	8346-203	8346-103	Black	4 7/8	14	6	14 1/4	8346-1303	8346-803	3 3/8	4 1/2	3 9/16	11/32	5 5/15	5 1/16
4/0	325	8347-203	8347-103	Black	5	20	6 1/2	20	8347-1303	8347-803	4 1/2	6	4 13/16	13/32	6 1/4	6

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



Male

Female

For Female with SSTB

For Male

For Female

Pilot Shorting

45°

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

These are connector ratings only.

Operating ratings must be based on cable capacity.