

## Uni-Lock Connectors 3/4 Turn Lock



600 Volts

### STANDARD FEATURES

- Attachable to customer's cable
- Available with/without pilot pins
- Full line of plugs and receptacles
- All parts thoroughly insulated and/or grounded
- Lockable against accidental disconnect
- Water-tight
- Meet mine Health and Safety Standards

### PARAMETERS

- Three or four pins with/without pilot contacts
- Number 8 through 500 MCM
- Up to 500 volts/500 amps

### APPLICATIONS

#### MINING

- Shuttle Cars
- Cutting Machines
- Drills
- Distribution boxes

#### INDUSTRY

- Large motors-test stands for checking motors
- Locable hookup for large portable equipment
- Steel Mills-provide power for locomotion equipment

#### MILITARY

- Provide ship-to-shore power

#### RAILROAD

- Carry power from car-to-car



Male  
Panel Mount



Female  
Panel Mount



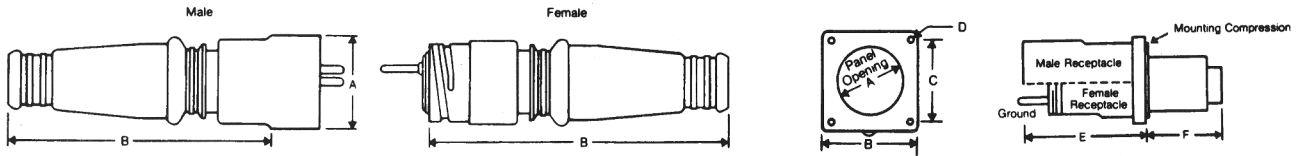
Male  
Cable Attachable



Female  
Cable Attachable



# Uni-Lock Connectors



Max. Cable AWG	Connector Rating (750V) AMP	Cable Attachment		Dimensions		Panel Mount		Dimensions					
		Male	Female	A	B	Male	Female	A	B	C	D	E	F

### 2 Power and 1 Ground with pilot contacts

8	75	8329-2	8329-1	3 5/8	11 11/16	8329-15	8329-10	2 3/8	3 3/8	2 3/4	9/32	5	4
4	125	8330-3	8330-4	3 5/8	11 13/16	8330-16	8330-12	2 3/8	3 3/8	2 3/4	9/32	5	4
2	160	8331-1	8331-4	3 5/8	13 1/16	8331-15	8331-11	2 5/8	3 5/8	2 7/8	9/32	5	4 1/2
2/0	225	8332-1	8332-8	4 1/16	14 1/16	8332-16	8332-13	2 15/16	4	3 5/16	9/32	5 1/8	4 15/16
4/0	325	8333-4	8333-3	4 5/8	13 15/16	8331-15	8331-1	3 3/8	4 1/2	3 9/16	11/32	5 5/16	5 1/16
400MCM	500	8334-2	8334-1	6	19 7/16	8334-15	8334-10	4 1/2	6	4 13/16	13/32	6 1/4	6
500MCM	625	8335-1	8335-2	6 3/4	22 1/8	8335-8	8335-4	5	7 1/4	5 7/8	17/32	8 5/8	6 1/2

### 3 Power and 1 Ground with no pilot contacts

8	75	8336-3	8336-2	3 5/8	11 13/16	8336-13	8336-8	2 3/8	3 3/8	2 3/4	9/32	5	4
4	125	8337-3	8337-4	3 5/8	11 13/16	8337-14	8337-11	2 3/8	3 3/8	2 3/4	9/32	5	4
2	160	8338-2	8338-3	3 7/8	13 1/16	8338-13	8338-8	2 5/8	3 5/8	2 7/8	9/32	5	4 1/2
2/0	225	8339-1	8339-2	4 1/16	14 1/16	8339-13	8339-3	2 15/16	4	3 5/16	9/32	5 1/8	4 15/16
4/0	325	8340-5	8340-4	4 5/8	13 13/16	8340-2	8340-10	3 3/8	4 1/2	3 9/16	11/32	5 5/15	5 1/16
300MCM	425	8341-2	8341-1	6	19 7/16	8341-13	8341-9	4 1/2	6	4 13/16	13/32	6 1/4	6

### 3 Power and 1 Ground with 2 pilot contacts

8	75	8343-5	8343-4	3 5/8	11 13/16	8343-16	8343-12	2 3/8	3 3/8	2 3/4	9/32	5	4
4	125	8344-5	8344-4	3 7/8	13	8344-2	8344-1	2 3/8	3 5/8	2 7/8	9/32	5	4 1/2
2	160	8345-5	8345-6	4 3/16	14 1/16	8345-15	8345-10	2 15/16	4	3 5/16	9/32	5 1/8	4 15/16
2/0	225	8346-2	8346-1	4 5/8	13 13/16	8346-13	8346-8	3 3/8	4 1/2	3 9/16	11/32	5 5/16	5 1/16
4/0	325	8347-2	8347-1	6	19 9/16	8347-13	8347-8	4 1/2	6	4 13/16	13/32	6 1/4	6
400MCM	500	8348-3	8348-2	6 3/4	22 3/8	8348-10	8348-7	5	7 1/4	5 7/8	17/32	8 5/8	6 1/2

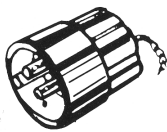
These are connector ratings only.

Operating ratings must be based on cable capacity.

## Uni-Lock Protective Caps & Panel Mounts







Protective Cap		Panel Mount Shells		Panel Mount Inserts		Pilot Short Circuiting Cap For Female Receptacle
Male	Female	Male	Female	Male	Female	

### 2 power and 1 ground with pilot contacts

3325656-2	3325656-1	A-324289	324088	8329-4	8329-5	8329-3
3325656-2	3325656-1	A-324289	324088	8330-5	8330-6	8330-7
3325656-4	3325656-3	A-324289	324063	8331-5	8331-3	8331-6
3325656-6	3325656-5	A-324119	324093	8332-7	8332-5	8332-9
3325656-8	3325656-7	A-324232	324088	8333-6	8333-5	8333-12
3325656-10	3325656-9	A-324166	324094	8334-3	8334-4	8334-5
3325656-12	3325656-11	A-324095	324065	8355-11	8355-10	8335-6

### 3 power and 1 ground with no pilot contacts

3325656-2	3325656-1	A-324289	324088	8336-4	8336-1	
3325656-2	3325656-1	A-324289	324088	8337-6	8337-7	
3325656-4	3325656-3	A-324289	324063	8338-4	8338-1	
3325656-6	3325656-5	A-324119	324093	8339-6	8339-5	
3325656-8	3325656-7	A-324232	324088	8340-3	8340-6	
3325656-10	3325656-9	A-324166	324094	8341-3	8341-4	

### 3 conductor and 1 ground with 2 pilot contacts

3325656-2	3325656-1	A-324289	324088	8343-6	8343-1	8343-7
3325656-4	3325656-3	A-324357	324063	8344-16	8344-15	8344-6
3325656-6	3325656-5	A-324119	324093	8345-2	8345-1	8345-3
3325656-8	3325656-7	A-324232	324059	8346-16	8346-15	8346-3
3325656-10	3325656-9	A-324116	324094	8347-16	8347-15	8347-3
3325656-12	3325656-11	324095	324065	8348-4	8348-5	8348-8



## Uni-Lock Connectors • Grommets / Sleeves



### SLEEVES & GROMMETS

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

Plug	Sleeve	Grommet #1	Grommet #2	Grommet #3	Plug	Sleeve	Grommet #1	Grommet #2	Grommet #3
8323	325298	313305-1	313305-2	313305-5	8336	325298	313305-2	-----	-----
8324	325298	313305-1	313305-2	313305-5	8337	325298	313305-1	313305-2	-----
8325	325292	313327-1	313327-2	313327-7	8338	325292	313327-1	313327-2	-----
8326	325245	324153-1	324153-2	324153-6	8339	325286	324044-1	324044-2	-----
8327	325271	324089-1	324089-2	-----	8340	325245	324153-1	324153-2	-----
8329	325298	313305-2	-----	-----	8341	325271	313089-1	313089-2	-----
8330	325298	313305-1	313305-2	313305-5	8343	325298	313305-2	-----	-----
8331	325292	313327-2	313327-3	313327-6	8344	325292	313327-2	313327-3	-----
8332	325286	324044-1	324044-2	324044-5	8345	325286	324044-3	324044-4	-----
8333	325245	324153-1	324153-2	324153-6	8346	325245	324153-2	324153-3	-----
8334	325271	324089-1	324089-2	-----	8347	325271	324089-2	324089-3	-----
8335	325305	324024-4	324024-5	-----	8348	325305	324024-4	324024-5	-----

### FOR ROUND CABLE

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

Sleeve Part Number	Fits Cable (w/o Grommet)		Extension Range Of "Adaptor Grommets" For Sleeves Listed At Left									
	From	To	Grommet Number	Range	Grommet Number	Range	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	313327-4	.812 .625	-----	-----
325286	2.000	1.812	324044-1	1.812 1.625	324044-2	1.625 1.437	324044-3	1.437 1.250	324044-4	1.250 1.062	-----	-----
325245	2.375	2.125	324153-1	2.125 1.937	324153-2	1.937 1.750	324153-3	1.750 1.562	324153-4	1.562 1.375	-----	-----
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	324024-2	2.531 2.312	324024-3	2.312 2.125

### FOR TWIN & TWIN "G" CABLE

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

(**) Wire Size	#8	#6	#4	#3	#2	#1	#1/0	#2/0	#3/0	#4/0									
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 1.24	.73 x 1.35	.81 x 1.40	.81 x 1.55	.93 x 1.51	.93 x 1.67	.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 Nos. On Grommets																		
325298	313305-4		313305-5																
325292	313327-6				313327-7														
325286	324044-5																		
325245	324153-5								324153-6										

(\*\*) Major and minor axis of "Twin W" and "Twin G" type cables.