



# PATTON & COOKE 1100 V, 170 & 250 Amp Lever Lock IMG Series Cable Couplers



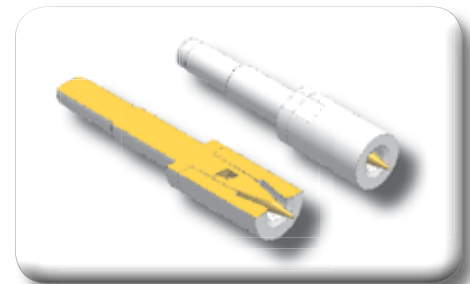
Patton & Cooke is pleased to offer our CSA approved, medium voltage IMG series cable couplers. These couplers are designed and manufactured for use in various mining (OP/UG), tunneling, power generation, sea port/shore and general industry operations to distribute power to mobile/portable, electric equipment. Numerous improvements have been integrated into the coupler's design in order to further increase safety, durability and reliability in real world applications.

## PRODUCT FEATURES & BENEFITS

- CSA C22.2 No. 298-16 Safety Approved
- Integrated lever action for fast coupling/decoupling.
- Individually replaceable parts - including contacts.
- Combined entrance fitting and strain relief.
- No additional closing tools required.
- Includes padlocking tabs.
- Handles drilled to accommodate locking tie wraps.



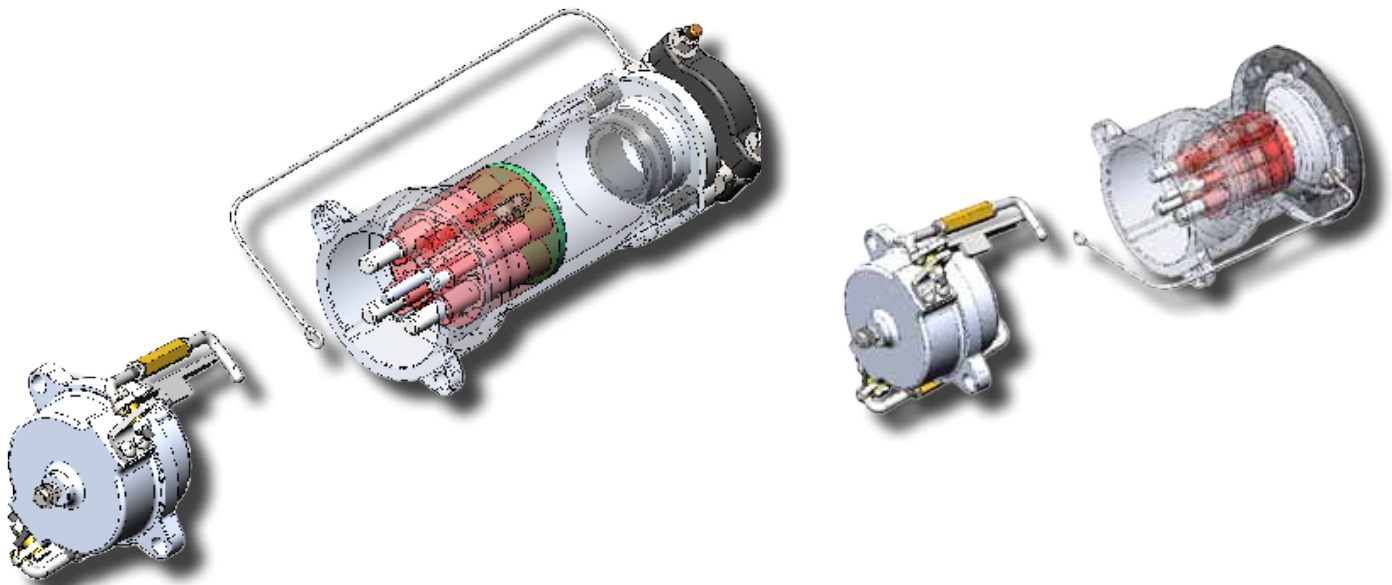
**CSA C22.2  
298-16  
APPROVED**



*250 Amp Exclusive Wedge Pin  
Cable Connection*

## PRODUCT OPTIONS

- Durable, Powder-Coated Finish (Various Colours)
- Two Amperages Available (170 or 250 Amp)

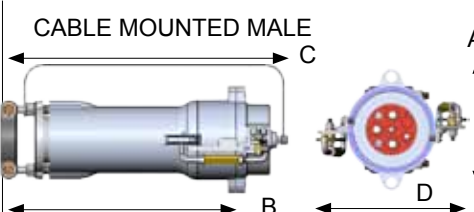
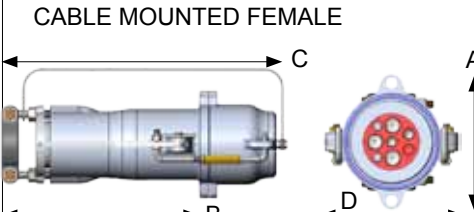
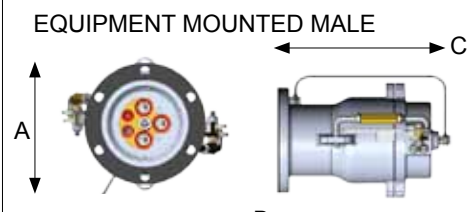
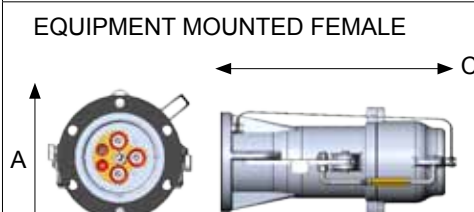


**High Voltage Equipment Solutions. Design and Manufacturing.**

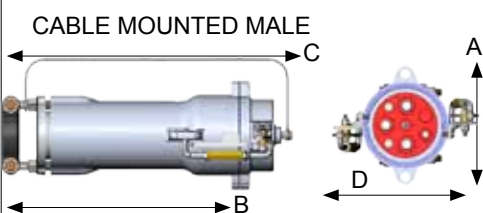
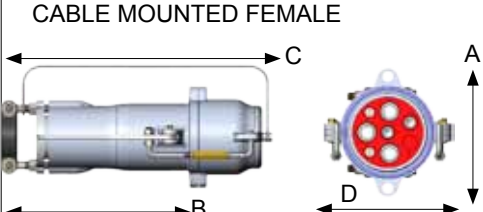
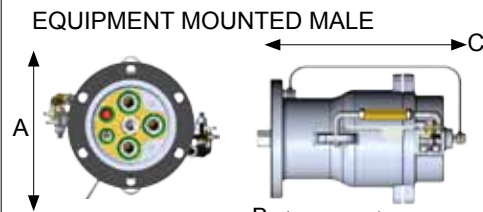
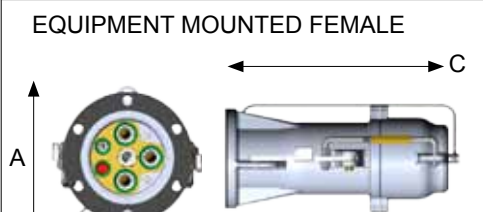
## PRODUCT SPECIFICATIONS

Maximum Voltage 1.1kV; Maximum Amperage 250A or 170 A (Series Dependent)	170A Available in Cable Range from #8 - #2 AWG 250A Available in Cable Range from #2 - 2/0 AWG
Standard Body Produced from AA 356.2 Alloy	Insulation Flammability Class: V-O (UL-94)
Stainless Steel Hardware	Silver-Plated Contacts
A.C. Withstand Voltage: 3.4kV dry (1 min)	D.C. Withstand Voltage: 4kV (15 mins)

## 1.1kV 170 AMP LEVER LOCK COUPLER DIMENSIONS & WEIGHTS

Illustration (not to scale)	Coupler Rating (A)	Catalogue Number	Dimensions				Weight
			A	B	C	D	
<p>CABLE MOUNTED MALE</p> 	170	<b>CLM1170</b>	152 mm 6.00"	336 mm 13.23"	411 mm 16.18"	192 mm 7.57"	4.55 kg 10.04 lbs
<p>CABLE MOUNTED FEMALE</p> 	170	<b>CLF1170</b>	152 mm 6.00"	295 mm 11.63"	408 mm 16.05"	152 mm 6.00"	5.36 kg 11.82 lbs
<p>EQUIPMENT MOUNTED MALE</p> 	170	<b>ELM1170</b>	140 mm 5.50"	154 mm 6.07"	229 mm 9.02"		3.19 kg 7.03 lbs
<p>EQUIPMENT MOUNTED FEMALE</p> 	170	<b>ELF1170</b>	140 mm 5.50"	216 mm 8.52"	328 mm 12.93"		4.81 kg 10.61 lbs

## 1.1kV 250 AMP LEVER LOCK COUPLER DIMENSIONS & WEIGHTS

Illustration (not to scale)	Coupler Rating (A)	Catalogue Number	Dimensions				Weight
			A	B	C	D	
<p>CABLE MOUNTED MALE</p> 	250	<b>CLM1250</b>	152 mm 6.00"	335 mm 13.19"	410 mm 16.14"	192 mm 7.57"	5.08 kg 11.21 lbs
<p>CABLE MOUNTED FEMALE</p> 	250	<b>CLF1250</b>	152 mm 6.00"	298 mm 11.74"	410 mm 16.15"	152mm 6.00"	5.62 kg 12.39 lbs
<p>EQUIPMENT MOUNTED MALE</p> 	250	<b>ELM1250</b>	140 mm 5.50"	154 mm 6.07"	229 mm 9.02"		3.75 kg 8.27 lbs
<p>EQUIPMENT MOUNTED FEMALE</p> 	250	<b>ELF1250</b>	140 mm 5.50"	216 mm 8.52"	328 mm 12.93"		5.01 kg 11.04 lbs

## COMPLETE COUPLER PART NUMBER GUIDE

### 1.1 kV 250 AMP LEVER LOCK COUPLERS

Configuration
F-FEMALE
M-MALE

Voltage Amperage (Max)
1170 - 1.1 kV, 170 A
1250 - 1.1 kV, 250 A

Powder Coat Colour	
NO FINISH	—
WHITE	EW
ORANGE	EO
BLUE	EB
RED	ER

**CL M 1170 - # - AM - EW**

Coupler Type
CL-Cable Mount Coupler (Lever Lock)
EL-Equipment Mount (Lever Lock)

Conductor Size for 170 A		
(mm <sup>2</sup> )	(AWG)	Cat. No.
8 - 21	#8 - #4 AWG	64
34	#2 AWG	2

Conductor Size for 250 A		
(mm <sup>2</sup> )	(AWG)	Cat. No.
34 - 42	#2 - #1 AWG	01
54 - 67	1/0 - 2/0 AWG	20

Outside Cable Diameter (Applicable for Cable Mount only)		
(mm)	(in)	Cat. No.
21 - 22	0.82-0.87	AA
22 - 24	0.88-0.94	AB
24 - 26	0.95-1.01	AC
26 - 27	1.02-1.05	AD
27 - 28	1.06-1.12	AE
29 - 32	1.13-1.25	AF
32 - 35	1.26-1.37	AG
35 - 38	1.38-1.50	AH
38 - 41	1.51-1.62	AJ
41 - 44	1.63-1.75	AK
45 - 48	1.76-1.87	AL
48 - 52	1.88-2.04	AM

## ORDERING PROCEDURE

### Determine the Following:

- Maximum Amps Required
- Full Cable Construction Details
- Cable or Equipment Mounting

### Options for 1.1 kV Couplers:

- Powder Coating (Contact factory for custom colours)
- 2 Pilot Pins