



PATTON & COOKE 1100 V, 250 Amp IMG Series Cable Couplers

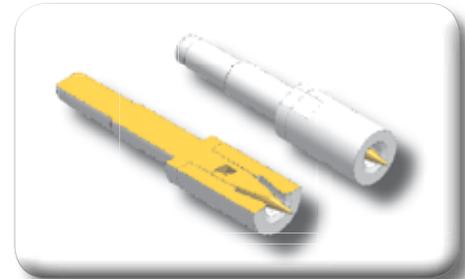


CSA C22.2
298-16
APPROVED

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
- Exclusive "Wedge Pin" type method of wire termination ensures a secure contact and connection between conductors and pin/socket and pin/socket contacts.
- Stainless steel spring band on female sockets ensures a secure and lasting connection between male and female contacts.
- One piece insulator is made from high strength, insulating, UL™ approved material ensuring durability, heat resistance and high dielectric strength.
- Cable entrance assembly is designed to seal and clamp cable to coupler to ensure IP-67 rating.



*Exclusive Wedge Pin
Cable Connection*

PRODUCT OPTIONS

- Durable, Powder-Coated Finish (Various Colours)
- 1 or 2 Pilot Pins (1 Pilot Contact is standard)
- Heavy-Duty, Bronze Version



Female Equipment Mount Couplers



Bronze Version



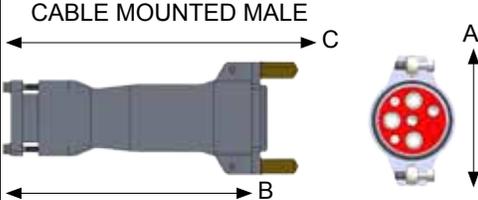
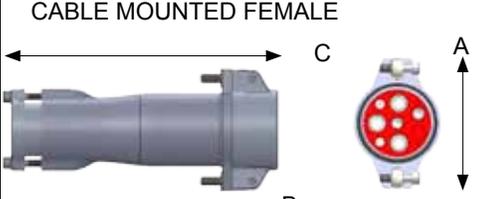
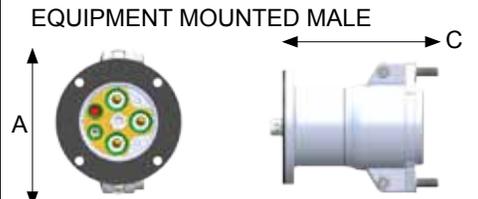
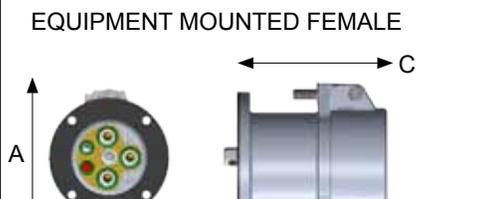
(Cable Mount and Equipment Mount)

High Voltage Equipment Solutions. Design and Manufacturing.

PRODUCT SPECIFICATIONS

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

1.1kV 250 AMP COUPLER DIMENSIONS & WEIGHTS

Illustration (not to scale)	Coupler Rating (A)	Catalogue Number	Dimensions				Weight
			A	B	C	D	
<p>CABLE MOUNTED MALE</p> 	250	CSM1250	165 mm 6.49"	358 mm 14.09"	425 mm 16.73"		5.11 kg 11.27 lbs
<p>CABLE MOUNTED FEMALE</p> 	250	CSF1250	164 mm 6.47"	308 mm 12.12"	370 mm 14.57"		3.81 kg 8.4 lbs
<p>EQUIPMENT MOUNTED MALE</p> 	250	EMM1250	143 mm 5.63"	154 mm 6.06"	213 mm 8.39"		3.46 kg 7.63 lbs
<p>EQUIPMENT MOUNTED FEMALE</p> 	250	EMF1250	143 mm 5.63"	104 mm 4.09"	181 mm 7.13"		3.58 kg 7.89 lbs

COUPLER CATALOGUE NUMBER COMBINATION GUIDE

1.1 kV 250 AMP COUPLERS

Configuration
F-FEMALE
M-MALE

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

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

CS M 1250 - G - 6 - EW

Coupler Type
CS-Cable Mount Coupler
EM-Equipment Mount

Conductor Size		
(mm ²)	(AWG)	Cat. No.
34	#2 AWG	F
42	#1 AWG	G
54	1/0 AWG	H
67	2/0 AWG	J

Outside Cable Diameter (Applicable for Cable Mount only)		
(mm)	(in)	Cat. No.
39 - 42	1.55-1.67	3
42 - 47	1.67-1.83	4
46 - 49	1.81-1.93	5
49 - 52	1.93-2.05	6

ORDERING PROCEDURE

Determine the Following:

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

Options for 1.1 kV Couplers:

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