



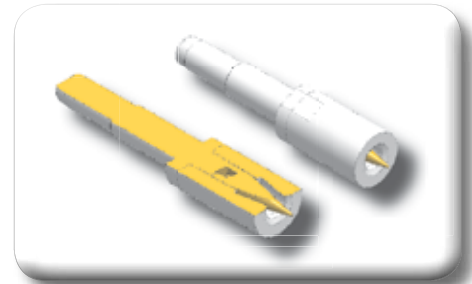
PATTON & COOKE 15 kV, 500 Amp IMG Series Cable Couplers



Patton & Cooke is pleased to offer our IMG series of medium voltage cable coupler systems. 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 designs in order to further increase safety, durability, and reliability in real world applications.

PRODUCT FEATURES & BENEFITS

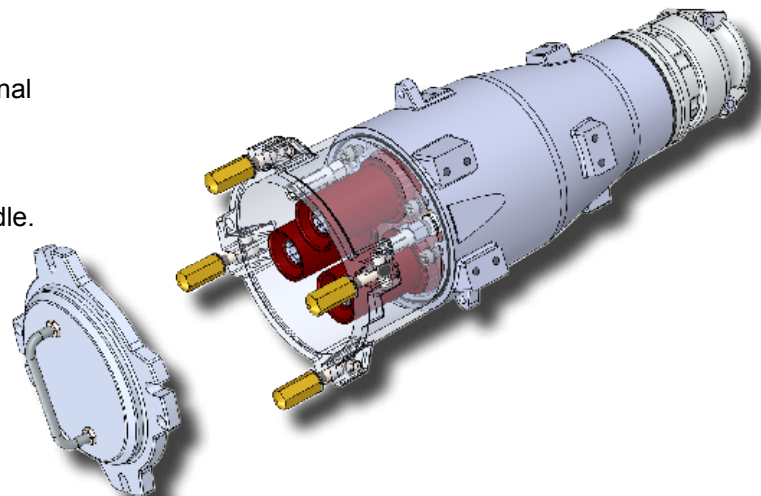
- Exclusive “Wedge Pin” type of wire termination ensures a secure contact and connection between conductors and pin/socket contacts.
- Spring band on female sockets ensures a secure and lasting connection between male and female contacts.
- Electrical stress-control adapter termination kit is reusable and provides air-free termination.
- Phase insulators are 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

- Junction to connect Male Cable End to Male Cable End.
- Durable, powder coat finish (various colours).
- LED Live Line Indication System.
- Optional “Key Interlock” system is an additional optional feature in the 15 kV system that prevents coupler disconnection, without prior switch house lock out.
- Provisioned for optional leg mounting or coupler handle.



High Voltage Equipment Solutions. Design and Manufacturing.

PRODUCT SPECIFICATIONS

Maximum Voltage 15 kV; Maximum Amperage 500A	Silver-Plated Contacts
Standard Ambient Temperature: -40°C to +45°C (-40°F to +113°F)	Available in Cable Range from 34 - 130 mm ² (#2 AWG - 250 MCM)
Standard Body Produced from AA 356.2 Alloy	Enclosure Degree of Protection: IP67H
Stainless Steel Hardware	Reusable Heat Resistant Silicone Termination Adapters
A.C. Withstand Voltage: 34kV dry (1 min)	D.C. Withstand Voltage: 53kV (15 mins)
BIL Withstand Voltage: 95kV (10 pos, 10 neg)	Partial Discharge at 10.8kV: <100pC

500 AMP COUPLER DIMENSIONS & WEIGHTS

Illustration (not to scale)	Coupler Rating (A)	Catalogue Number	Dimensions				Weight
			A	B	C	D	
<p>CABLE MOUNTED MALE</p>	500	CSM15500	274 mm 10.79"	496 mm 19.53"	642 mm 25.28"		22.19 kg 48.92 lbs
<p>CABLE MOUNTED FEMALE</p>	500	CSF15500	274 mm 10.79"	627 mm 24.69"	703 mm 27.68"		23.19 kg 51.13 lbs
<p>EQUIPMENT MOUNTED MALE</p>	500	EMM15500	313 mm 12.32"	88 mm 3.46"	108 mm 4.25"	130 mm 5.12"	17.10 kg 37.69 lbs
<p>EQUIPMENT MOUNTED FEMALE</p>	500	EMF15500	313 mm 12.32"	112 mm 4.41"	223 mm 8.78"	299 mm 11.77"	18.08 kg 39.86 lbs