**INTRODUCTION**

IMG offers a new line of Medium Voltage Cable Coupler Systems designed and manufactured for use in various mining (OP/UG), tunneling, power generation, seaport/shore and general industry operations to distribute power to mobile/portable, electric equipment. While maintaining current market standards, numerous design improvements have been integrated into the new coupler designs in order to increase safety, durability and reliability in the field.

**PRODUCT FEATURES & BENEFITS**

- Wedge type method of Wire Termination ensures a secure contact and connection between wires and pin/socket contacts.
- Stainless Steel Wire Spring Band on Female Sockets ensures a secure and lasting connection between male & female contacts.
- One piece Insulator is made from rigid, thermoset material ensuring durability, heat resistance and high insulation properties.
- Cable Entrance assembly is designed to seal and clamp cable to coupler with one action.

**PRODUCT OPTIONS**

- Durable, Powder-Coat Finish (various colors)
- Various Amperage (170 or 250A)
- Heavy-Duty, Bronze Version
- EX Version (approval pending)
- Adapter Boxes, Splitter Boxes, Angle Adapters
### PRODUCT SPECIFICATIONS

- **Maximum voltage:** 1.1kV; maximum amperage 250A
- **Standard body finish:** Aluminum alloy A365.2 (Optional: Bronze Alloy)
- **Standard hardware:** Stainless Steel / Brass
- **Standard contacts:** Silver-plated Copper/Brass (Optional: Bare/ Zinc-plated)
- **170A Available in Cable Range from #8 – #2 AWG**
- **250A Available in Cable Range from #2 – 2/O AWG**

### COMPLETE COUPLER PART NUMBERING GUIDE

#### COUPLER TYPE
- **CS** - CABLE-MOUNT COUPLER
- **CB** - BRONZE CABLE-MOUNT COUPLER
- **EM** - EQUIPMENT-MOUNT COUPLER
- **EB** - BRONZE EQUIPMENT-MOUNT

#### VOLTAGE, AMPERAGE (Max.)
- **1170** - 1.1kV, 170A
- **1250** - 1.1kV, 250A

#### O.D. OF CABLE JACKET
Specify exact outside diameter of cable jacket in millimetres

#### SPECIAL OPTIONS
- **2** - Second Control Pin

#### CONFIGURATION
- **F** - FEMALE
- **M** - MALE

#### CABLE CHART (For Coupler Ratings)

<table>
<thead>
<tr>
<th>Amp Rating</th>
<th>Wire Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>170 Amp</td>
<td>- #8 AWG Wire</td>
</tr>
<tr>
<td>250 Amp</td>
<td>- #2 AWG Wire</td>
</tr>
<tr>
<td>2</td>
<td>- #1 AWG Wire</td>
</tr>
<tr>
<td>1</td>
<td>- 1/0 AWG Wire</td>
</tr>
<tr>
<td>2/0</td>
<td>- 2/0 AWG Wire</td>
</tr>
</tbody>
</table>

#### POWDER-COAT OPTIONS
- **x** - NO-PAINT
- **O** - ORANGE
- **W** - WHITE
- **R** - RED
- **Y** - YELLOW
- **B** - BLUE
- **G** - GREEN

**ORDERING PROCEDURE:**

**Determine the**

a) Maximum current Amps required
b) Cable size (please specify Manufacture and/or OD of Cable)
c) Required Male or Female contacts
d) Cable or Equipment-mounting

**Options for 1.1kV Couplers:**

a) Standard (Aluminum) or Bronze Body
b) Bare metal or Powder-coated (Select Color Code)
c) 1 or 2 Pilot Pins