



PATTON & COOKE 600/1100 Volt Cable Couplers



In designing our 600/1100 V cable coupler, we gave our engineers a list of features which our customers said were most important to them, and instructed them to incorporate into the product as many of those features as possible, while still keeping it competitively priced.

The result is one of the most value-packed products in the mining industry.

CUSTOMER DESIGNED

We also had our customers in mind when we designed our new 600/1100 V coupler to mate with competitors' products without any field modifications. This allows you to upgrade to Patton & Cooke quality, without the conversion cost normally associated with a full scale replaceable program.

Check our list of exclusive features (back page) and we are sure you will agree that this coupler has truly been "designed with the customer in mind".



Male and female C10 series couplers

PREMIUM QUALITY, SUPERIOR VALUE

Patton & Cooke's C10 Series Couplers are designed to meet or exceed existing CAN/CSA M421 regulations as well as changes drafted for future regulation.

VERSIONS AVAILABLE

- 145 Amp
- 165 Amp
- 225 Amp
- 325 Amp

APPLICATIONS

- Mining
 - > Pumping
 - > Ventilation
 - > LHD's
- Ship to Shore
- Micro Tunneling
- Portable Power Generation

AVAILABLE OPTIONS/ACCESSORIES

- Powder Coated Finish
- Closing Tools
- Junction Box
- Lock Out/Tag Out Provision
- Protective Covers
 - > Rubber
 - > Aluminum



Molded insulator with radial seals



C10 series live parts



High Voltage Equipment Solutions. Design and Manufacturing.

We make the connection.

FEATURES	BENEFITS
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Entire coupler housing is sand cast, heat treated and anodized	<ul style="list-style-type: none"> highly resistant to corrosion heat treated bodies provide the strength of bronze without the weight
All parts are individually replaceable, including live parts and coupling alignment pins	<ul style="list-style-type: none"> convenience of front end replaceable live parts extends product life and reduces cost of ownership
Combined entrance fitting and strain relief plus neoprene cable seal	<ul style="list-style-type: none"> easier installation provides positive, waterproof seal eliminates all hose clamps and adapter grommets
Complete "O-ring" seal between the "front" of the coupler and the cable termination compartment	<ul style="list-style-type: none"> assures a dry compartment
Two extra wide radial seals surrounding the male and female insulator faces	<ul style="list-style-type: none"> prevents water from migrating to the live parts
Each circuit in the coupler is identified by colour coding and printed legends	<ul style="list-style-type: none"> reduces installation time avoids incorrect wire connections colour coded screws
Outer body is grounded through stainless steel bolts making direct connection between aluminum housing and ground conductor	<ul style="list-style-type: none"> prevents open circuiting under fault conditions provides superior safety
Grooved thread has a wide tapered starting gate	<ul style="list-style-type: none"> simplifies coupling operation, guarantees complete decoupling saves time
Extra thick barrels on all wire terminals with offset bore for cable secureness	<ul style="list-style-type: none"> heavy duty Stanley steel set screws eliminates loose connections eliminates need for special tools and soldering equipment reduces installation time
Neoprene or aluminum end caps are available as an option. Both are watertight	<ul style="list-style-type: none"> prevents the entry of dirt and moisture when couplers are unplugged protects contacts from damage provides personnel safety

HOW TO ORDER

- Step 1:** Determine Male (plug) or female (receptacle) contacts
- Step 2:** a. Cable or Equipment mounting
 b. If cable mounting, determine cable outside diameter. Clamp inserts and cable gaskets (Entrance Fitting Kits) must be purchased separately
- Step 3:** Determine conductor size
- Step 4:** Determine any additional options
 Refer to catalogue or website
- PLEASE NOTE:**
- The standard contact arrangement for the 600/1100 V coupler includes three insulated phase contacts, one ground contact, and two isolated pilot contacts

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Covers and Hoods are optional equipment, if required, please request a quote from your Authorized Patton & Cooke Distributor.



C10 Couplers on portable mine power center. Shown with (optional) angle mounting configuration