



PATTON & COOKE CO.

600/1100 VOLT CABLE COUPLERS

- 145 A
- 165 A
- 225 A
- 325 A



“Customer Designed” 600/1100 Volt Trailing Cable Couplers

In designing our 600/1100 volt 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, filled with benefits such as the much requested 1100 volt rating.

We also had our customers in mind when we designed our new 600/1100 volt 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 replacement program.



Male & female C10 series couplers



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

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”.

Premium Quality Superior Value

Patton & Cooke couplers are high potted to IEEE-48 Standards, and designed to meet existing CAN/CSA M421 regulations as well as changes drafted for future regulation.



Molded insulator with radial seals



C10 series live parts

*Meeting your high
voltage electrical
equipment needs*

Features

Entire coupler housing is sand cast, heat treated and anodized.

All parts are individually replaceable, including live parts and coupling alignment pins.

Combined entrance fitting and strain relief plus neoprene cable seal.

Complete "O-ring" seal between the "front" of the coupler and the cable termination compartment.

Two extra wide radial seals surrounding the male and female insulator faces.

Each circuit in the coupler is identified by colour coding and printed legends.

Outer body is grounded through stainless steel bolts making direct connection between aluminum housing and ground conductor.

Rotating collar is grounded.

Coupling alignment pins and starting gate for grooved thread are clearly indicated by arrows on the plug and receptacle collars.

Grooved thread has a wide tapered starting gate.

Optional, spring loaded, universal "C" wrench grips collars firmly.

Extra thick barrels on all wire terminals, with two stainless steel screws on every terminal, including pilot circuit.

Molded insulator.

Neoprene or aluminum end caps are available as an option. Both are watertight.

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

Benefits

- highly resistant to corrosion, as proven in underwater oceanic applications.
- optional epoxy coating available for extremely corrosive environment.
- heat treated bodies provide the strength of bronze without the weight.

- convenience of front end replaceable live parts.
- reduces downtime.
- significantly lowers replacement costs.
- replaceability of individual components lengthens lifespan of total coupler unit and greatly reduces cost of ownership.

- easier installation.
- prevents flashovers in the terminal compartment.
- provides concentric, uniform clamping pressure, eliminating the problems of offset clamping.
- provides positive, waterproof seal.
- eliminates all hose clamps and adapter grommets.
- eliminates the need to apply special coatings, sealing compounds or tapes on cable terminations.

- assures a dry compartment.

- prevents water from migrating to the live parts.

- reduces installation time.
- avoids incorrect wire connections.

- prevents open circuiting under fault conditions.
- provides superior safety.

- provides maximum safety under fault conditions.

- eliminates frustration and wasted time caused by starting blind once the collar hides the starting gate.

- simplifies coupling operation, guarantees complete decoupling.
- saves time.

- simplifies coupling and decoupling.
- saves time.
- wrenches fit both Patton & Cooke and competitors' products.

- allows use of robust allen head screws.
- eliminates loose connections.
- eliminates need for special tools and soldering equipment.
- reduces installation time.

- provides high dielectric strength.

- prevents the entry of dirt and moisture when couplers are unplugged.
- protects contacts from damage.
- provides personnel safety.



FOR FURTHER INFORMATION:



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