



PATTON & COOKE 5/8 kV, 250 & 400 Amp Cable Couplers



Patton & Cooke set the standard for performance and dependability with the PK Series 5kV, 250 and 400 Amp cable couplers. The PK series couplers have proven their value throughout the mining industry worldwide.

As mining equipment has increased in size, so too has their demand for power. To meet the increasing power requirements, Patton & Cooke has introduced the C80 Series 250, 400 and 500 Amp couplers. The C80 series incorporates all of our standard features, but with added design features to give reliable and lasting performance at higher current levels.

STANDARD FEATURES - ALL MODELS	BENEFITS
Enhanced entrance fitting combines strain relief and cable seal	<ul style="list-style-type: none"> eliminates need for separate strain relief provides positive, waterproof seal eliminates all hose clamps
Solderless contact stems (provides positive mechanical connection using two allen head fastening screws)	<ul style="list-style-type: none"> reduces installation time no special tools or soldering equipment needed silver plated sockets for efficient power transfer
Stainless steel quick flip coupling eye bolts	<ul style="list-style-type: none"> eliminates pin damage from repeated assembly operations increased pin tensile strength
Heat treated, cast aluminum body	<ul style="list-style-type: none"> greater strength and impact resistance
Bolted stainless steel external jumpers	<ul style="list-style-type: none"> provides positive grounding of body section maximizes personnel safety by providing visual confirmation of body ground continuity

NEW FEATURES - C80 SERIES	BENEFITS
Extended ground plane (runs uninterrupted through the length of the phase insulators)	<ul style="list-style-type: none"> offers protection from phase to phase faults and flashovers
Individual phase and ground check insulators	<ul style="list-style-type: none"> convenience of front end replaceability individually removable reduces downtime lowers replacement costs can be replaced without purchasing entire three phase insulator assembly



Contacts and insulator (shown disassembled) for PK Series 250 Amp couplers - available for 5 kV and 8 kV applications.



Contacts and insulator (shown disassembled) for PK Series 400 Amp couplers - available for 5 kV applications only.



Cable entrance assembly (shown disassembled) for PK Series couplers.



High Voltage Equipment Solutions. Design and Manufacturing.

We make the connection.

FEATURE COMPARISON

5/8 KV COUPLERS

C80 Series 8 kV Couplers

Available in:

8kV 250 Amp
8kV 400 Amp
8kV 500 Amp

Our most advanced coupler design, the C80 series coupler provides the ultimate in coupler safety and performance. The C80 coupler is ideal for critical applications where reliability and long term performance are paramount.

Features

- Fully shielded phase conductors.
- Individually replaceable phase tubes.
- Standard Solderless stems
- Quick flip front body.
- Replaceable parts.
- Front-end serviceable contacts.

PK/PL Series 5/8 kV Couplers

Available in:

5kV 250 Amp
5kV 400 Amp
8kV 250 Amp

A versatile, rugged coupler with all the most sought after Patton & Cooke features. Ideal for applications where a reliable and economical solution is required.

Features

- Optional Solderless stems.
- Quick flip front body.
- Replaceable parts.
- Front-end serviceable contacts.

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:

- Potting compound is recommended for 5/8 kV couplers
- Termination Kits are also available

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APPLICATIONS

- Mining
 - > Shovels
 - > Drills
 - > Continuous Miners
 - > Conveyors
- Shore to Ship
- Tunneling
- Portable Power Generation

CONTACT ARRANGEMENT

- Standard
 - > 250 Amp Contacts (3 phase, 1 ground, 1 pilot)
 - > 400 Amp Contacts (3 phase, 2 grounds, 1 pilot)
 - > 500 Amp Contacts (3 phase, 1 ground, 1 pilot)
- Custom

CONTACT OPTIONS

- 1 Piece
- 2 Piece
- Solder
- Solderless
- Multilam Contacts reduce contact pressure, allowing for easy coupling and decoupling



C80 Series Couplers



PK Series Couplers



Proudly Made by
Canadian Labour



Protective aluminum hoods
and caps



Colour coded PK series
couplers