



PATTON & COOKE CO.

5/8 kV, 250 & 400 Amp CABLE COUPLERS



Meeting your high
voltage electrical
equipment needs

GREAT NEW FEATURES! GREAT LOW PRICE!

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 to has their demand for power.

To meet the increasing power requirements, Patton & Cooke has introduced the C80 Series 250 Amp and 400 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.



*C80 Series
couplers
...we've
definitely left
our competitors
trailing far
behind*

Standard Features - All Models

Benefits

Enhanced entrance fitting combines strain relief and cable seal

- eliminates need for separate strain relief.
- easier installation.
- provides concentric, uniform clamping pressure, eliminating the problems of offset clamping.
- provides positive, waterproof seal.
- eliminates all hose clamps.

External stainless steel tensor springs on all female contacts

- provides superior conductivity.
- reduces damage from wear & tear.
- eliminates internal contact band.

Solderless contact stems (provides positive mechanical connection using two allen head fastening screws)

- reduces installation time.
- no special tools or soldering equipment needed.
- silver plated sockets for efficient power transfer.

Stainless steel quick flip coupling eye bolts

- eliminates pin damage from repeated assembly operations.
- increased pin tensile strength.

Heat treated, cast aluminum body

- greater strength and impact resistance.

Bolted stainless steel external jumpers

- provides positive grounding of body sections.
- 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)

- offers protection from phase to phase faults and flashovers.

Individual phase and ground check insulators

- 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 5kV and 8kV applications



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



Cable entrance assembly (shown disassembled) for PK Series couplers

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

PK / PL Series 5 / 8 kV Couplers

Available in:

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

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

Features

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



C80 Series couplers



PK Series couplers



Ordering Information

- ▶ When ordering the Patton & Cooke 5/8 kV couplers, please specify our catalog numbers and your cable type, size and diameter.
- ▶ The standard contact arrangement for the 250 Amp 5/8kV C80 and PK couplers includes three insulated phase contacts one ground contact, and one isolated ground check (pilot contact). The standard arrangement for 400 Amp 5/8kV C80 and PK couplers includes three insulated phase contacts one ground contact, and two isolated ground check (pilot contact).

Photo Left: Protective aluminum hoods and caps
Photo Right: Color coded PK series couplers



Patton & Cooke also manufactures 600/1100 V, 5 & 8 kV, 15 kV and 25 kV cable couplers, ground fault products and cable handling accessories.

FOR FURTHER INFORMATION:



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