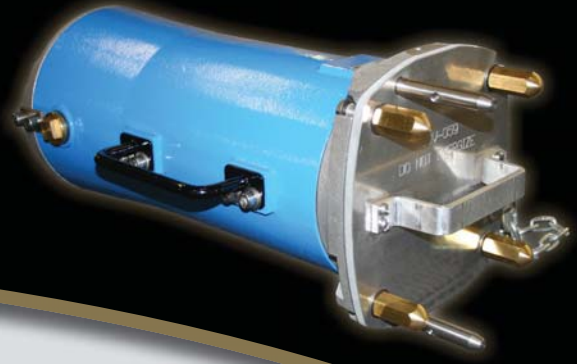


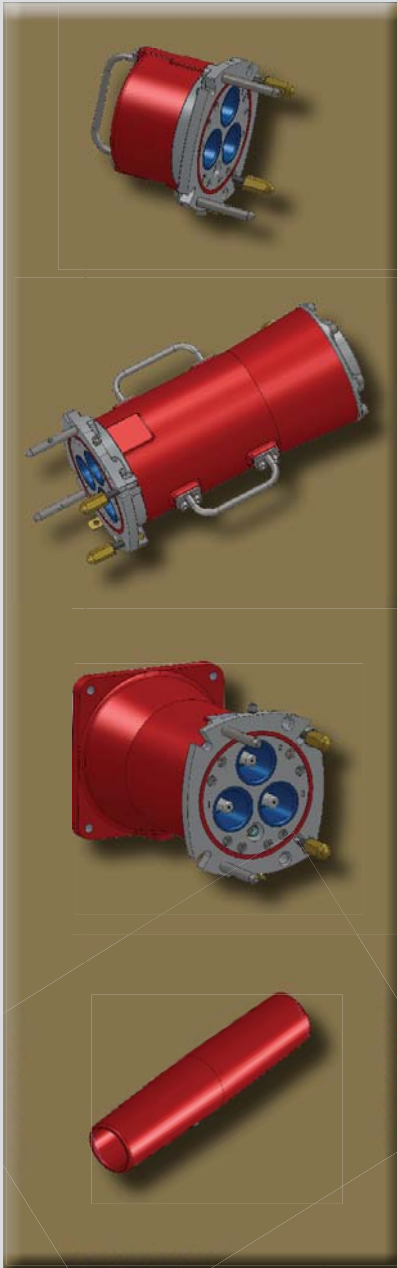


# PATTON & COOKE 25 kV Cable Coupler & Coupling System



In designing a cable coupler for 25 kV operation, Patton & Cooke listened to users of the couplers currently on the market to determine the features that were most important to them. The responses we received were consistent: safe operation and handling, industry compatibility, reduced size and weight, reduced mating forces, elimination of special tools, simplified installation and fast delivery.

Patton & Cooke is pleased to offer a 25 kV coupler that provides all of these features and more. Designed around proven high voltage cable accessories, this concept eliminates the need for expensive heat or cold shrink termination kits and filling compounds. This smaller and lighter design is also fully compatible and intermateable with other 25 kV couplers currently on the market.



## UPDATED FEATURES

- |   |   |
|---|---|
| • Smaller   | • Lighter   |
| • Intermateable with other products on the market                   | • Low insertion force/high current contact design |
| • Retained bolting system   | • No altitude de-rating required                  |
| • Fully shielded phase compartment ensures no phase to phase faults | • Total air displacement - no more compound       |

## WEIGHT & DIMENSIONS

**Weight:** 22.7 kg/50 lbs  
**Length:** 635 mm/25" (with standard cable gland)  
**Width:** 241 mm/9.5"  
**Height:** 254 mm /10"

## RATINGS

- 25 kV/650 Amp
- Ip 66/67H

## TEST DATA

<b>AC Withstand</b> <ul style="list-style-type: none"> <li>• 50 kV 1 minute</li> <li>• 40 kV 6 hours</li> </ul>	<b>Basic Impulse Level</b> <ul style="list-style-type: none"> <li>• 125 kV B.I.L.</li> </ul>
<b>Short Circuit</b> <ul style="list-style-type: none"> <li>• 25 kA for 0.3 seconds (3 tests 2 10 minute intervals)</li> </ul>	<b>Earth Through Fault</b> <ul style="list-style-type: none"> <li>• 8 kA for 0.2 seconds (3 tests 2 10 minute intervals)</li> </ul>
<b>Environmental Test</b> <ul style="list-style-type: none"> <li>• Ip66/67h testing to IEC 60529</li> </ul>	<b>Heat Rise</b> <ul style="list-style-type: none"> <li>• 650 Amps after 100 cycle contact pre-conditions at 45k over ambient and no more than 10k over conductor</li> </ul>

## LOUVERED CONTACT BANDING

- Higher current carrying capacity
- Lower contact pressure
- Improved short circuit performance

## SLIP ON STRESS CONE TERMINATION MODULE

- Eliminates expensive tubes and compound
- Eliminates strain on contact restraining clip
- Compression type wire stems

High Voltage Equipment Solutions. Design and Manufacturing.

