



FACTORY CABLE TERMINATIONS

Complementing Patton & Cooke's broad range of mining products, we offer an "in-plant" cable coupler installation service, which includes appropriate stress coning, high pot testing and filling (if required) with specified compound. Installation is done quickly and professionally, so your cable arrives on time at your job site, ready for immediate service.

If you wish to do your own stress coning, Patton & Cooke has available type "11Y" - heat shrink terminating kits that reduce installation time. Filling compound is also available.

SERVICE / PRODUCT			
Labour only to <u>strip cable, apply stress cone kit and terminate.</u>			
Labour only to <u>strip cable and apply stress cone kit.</u>			
<u>Testing</u> of terminated cable. Includes hi-pot testing to IEEE-48.			
Labour to <u>fill</u> coupler with potting compound.			
STRESS CONE TERMINATION KITS These kits include all materials and instructions necessary to terminate one end of a three phase cable. Stress relief and insulation is provided by heat shrink tubing.	5 kV	#3 - 4/0 AWG	11Y-002
	8 kV	#4 - 4/0 AWG	
	15 kV	#2 - 250 MCM	11Y-004
		4/0 - 500 MCM	11Y-006
GROUND STRAP (For bonding the cable shielding to coupler body)			CON-103
POTTING COMPOUND 75 g kit Cat. No. OS-J563-750 3000 g kit Cat. No. OS-J563 See Note 1.	5 kV	Cable Mount	1 x 3,000 g kit
		Junction Box	3 x 3,000 g kit
	8 kV	Cable Mount	1 x 3,000 g kit
		Junction Box	3 x 3,000 g kit
15 kV	Cable Mount	2 x 3,000 g kit	

NOTE:

1. The recommended potting compound is HIGEL 4442 manufactured by 3M Canada. Potting compound is recommended for 15 kV couplers and junction boxes, and for 5 and 8 kV couplers and junction boxes exposed to extreme changes in temperature and humidity. Kits are available in full 750 and 3,000 g containers.
2. A 15 kV cable mount coupler requires 1.5 x 3,000 g kits.

Example: Install stress cones, terminate cable in 15 kV cable mount coupler, test to IEEE-48 and fill with HIGEL 4442.
 Cable: 2/0 SHD-GC, 15 kV

For "in-field" cable termination service contact Patton & Cooke.



FACTORY COUPLER REPAIR

Included in Patton & Cooke's after sales service package, we offer a coupler repair service at our factory. For a flat rate, couplers can be refurbished at our site. The procedure for the complete coupler repair service is listed below:

- Couplers are disassembled.
- Body sections are cleaned or shot-blasted if required.
- The used insulator housing with live contacts and stems is discarded and replaced with all new components.
- Coupler is reassembled with new hardware where necessary.
- Coupler undergoes inspection and approval by Patton & Cooke Quality Assurance.
- The renewed coupler is shipped back to customer, ready for more years of service.

The entire process is performed within 2 weeks of receipt. This turnaround time is guaranteed for quantities up to 20.

COUPLER REPAIR PRICING

Voltage Class	Coupler Rating (Amp)	Patton & Cooke Coupler Catalog Numbers	
600/1100 V	145	C10B1001 C10B1005 C10B1010	C10B2001 C10B2005 C10B2010
	160	C10B5001 C10B5002 C10B5003	C10B6001 C10B6002 C10B6003
	225	C10C1005 C10C1019 C10C1009	C10C2005 C10C2019 C10C2009
	325	C10D1001 C10D1002	C10D2001 C10D2002
600 V	250	PKA06S-M _{xy} PKA06F-M _x C06C1005-12 _x	RKA06S-F _{xy} RKA06F-F _x C06C2005-12 _x
5 kV	400	PL5S-M _{xy} PL5F-M _x	RL5S-F _{xy} RL5F-F _x
5 or 8 kV	250	PK8S-M _{xy} PK8F-M _x C80C1003-7 _x	RK8S-F _{xy} RK8F-F _x C80C2003-7 _x
	400	C80D1013-17 _x	C80D2014-18 _x
15 kV	500	C150F1003-7 _x	C150F2005-9 _x
25 kV	500	C250F2001 _x	

NOTE:

1. The prices above apply to couplers that do not contain potting compound and that are not epoxy coated. A surcharge is applicable to remove potting compound and/or to reapply epoxy coating.