



Medium Voltage Cable Coupler Systems – Shielded & Unshielded 15kV, 600A



15kV, 600A Male & Female Cable Mount Unshielded Coupler shown with silver plated contacts and optional powder coated body



15kV, 600A Female Equipment Mount Shielded Coupler shown with silver plated contacts, phase shielding and optional powder coated body.

Typical Applications

- Connections of draglines/shovels/drills in minesite applications
- Connection of tunnel boring machines
- Connection of container port cranes
- Couplers suitable for use in wet, muddy, dusty, high altitude, or underground environments

Features and Benefits

- Compatible with all other couplers of North American design using the three bolt connection system
- Lightweight cast aluminum body components that provide strength and coupler durability
- MCS manufactured strain relief entrance fitting, self centering, superior prevention of water ingress
- Individual machined phase insulators made of high dielectric polymer
- Non-corrosive stainless steel and brass hardware
- Powder coated body components (optional)
- Silver plated contacts are standard on 15kV couplers
- Multiple phase connection options including mechanical connection (set screw), compression connection, or silver solder connection (see photo)
- Integrated Fibre-Optic capabilities (custom design)

Electrical Ratings & Standards

- 15kV Coupler Voltage: 15,000 Volts AC Current: 600 Amps
- Development Tested to Std. IEEE386-1995 and IEEE48-1996
- Where switchgear mounted couplers are required, MCS couplers match requirement of CSA C22.2 No.31-04
- Manufactured to meet IP67H standard

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Medium Voltage Cable Coupler Systems Accessories 15kV, 600A



Connection Options

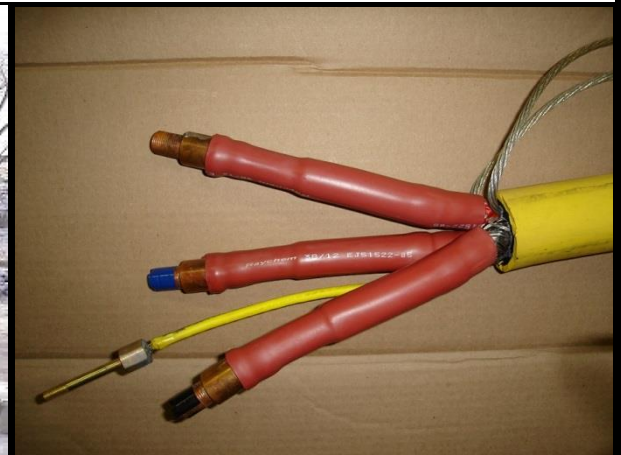
- Compression Connection (top)
- Mechanical Screw Connection
- Solder Connection (bottom)

Dielectric Filling Compound (Re-enterable Encapsulent)

- Requirement for couplers at 15kV operating voltage
- Additional protection against ingress of moisture into couplers
- Does not damage coupler components (components can be cleaned and reused)



Shown Above: MCS Manufactured 15kV, 600A Female Equipment Mount Couplers in service



Cable Termination Kits specifically created for coupler application (above)



600A Phase Contact Tool specifically created for ease of coupler installation (above)