

# Special Purpose Interconnection Products, cont.

## Freightmate Cable Assemblies for Rail Mass Transit

Consult your local Amphenol sales office for further information.



Freightmate I



Freightmate II

APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
Connector and cable assemblies for ECP (Electronically Controlled Pneumatic) braking systems in railway applications.	Freightmate I style is AAR approved. Freightmate II is a more recent design that offers a dual system (electrical and pneumatic) for braking control, eliminating the need for two cables. Only one mating action is necessary to fully mate the cable assembly. (currently under AAR approval process.	Hermaphroditic, conventional gladhand coupling.	N/A	Fully environmental, qualified to AAR specification S4210. Designed to withstand extended exposure to shock, vibration and road debris.

### OPTIONAL FEATURES

- Available in two styles.

### MARKETS

- Rail Freight

## Trans-Power® Connectors for Rail Mass Transit

Reference Pyle Transportation Brochure



APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
Head-end power connectors for commercial rail systems.	Meets Amtrak specification D-77-24, APTA #RP-E-016.	Slip-fit, double-seated for environmental protection. Retention by receptacle cover or optional accessories.	Crimp termination per Amtrak and APTA specifications. Socket contacts provide uniform pressure for low mating/unmating forces, low voltage drop, consistently low temperature rise and shock resistance.	Operating ambient temp. -57°F to +110°F. Raintight per U/L standard. Electrical performance up to 600 volts, 400 Amps. All-molded elastomeric rubber body. Unique elliptical seal permits the escape of entrapped air while mating and also breaks the vacuum created as the plug is unmated.

### OPTIONAL FEATURES

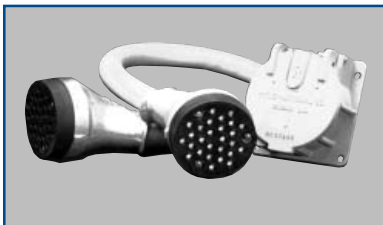
- Available in varying lengths, and optional color coding.
- Control only loop plugs available.
- Integrally molded or repairable styles.

### MARKETS

- Mass Transportation

## 27 Pole Train-line Receptacles and Jumpers for Rail Mass Transit

Reference Pyle Transportation Brochure



APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
27 Pole MU (multiple unit) and communication receptacles and jumpers for rail applications. Jumpers are either standard car to car jumpers or locomotive jumpers for use between locomotives or between locomotives and lead cars.	Designed to Amtrak and APTA specifications.	Push-pull mating.	Wire configuration, per Amtrak standards, calls for 1 #10 wire, five shield twisted pairs, and balance #12 wire. Jumpers are keyed differently from all other 27 pole jumpers to prevent mis-mating.	Rugged receptacle housing with spring loaded cover. Locomotive jumpers have identification of blue painted receptacle and "LOCO" suffix on them to safely distinguish them from car to car jumpers.

### OPTIONAL FEATURES

- Receptacles can be supplied with or without leads.

### MARKETS

- Mass Transportation