

# Cadillac Win

## 27 Point Series Control & Communication

Cadillac-Win brand of 27-point jumper assemblies and receptacles by Winchester Interconnect are available in a variety of configurations for trainline (COMM) car control/communication and (MU) multiple unit locomotive control. Car control/communication trainlines are interconnected between the entire length of the car. Typical electrical signals include: door controls and indications, public address, brake applied/released indications. Multiple unit trainlines carry traction and dynamic brake commands and indications. Typical signals between equipment include:

- Locomotives coupled together
- Cab car and locomotive
- Locomotives or power cars placed at opposite ends of the train



 **Winchester**  
Interconnect.

*We Energize Innovation.*

## 27 Point Series Control & Communication



- Manufactured to conform to AAR S-512 and APTA RP-E-019-99 specifications.
- Qualified for use on all Amtrak equipment, as well as other major transit agencies.
- Self aligning silver plated copper socket contacts permit low mating forces, prevent excessive voltage drop and promote long contact life.
- Interchangeable and intermateable with other major brands
- Environmentally protected design with individual contact seal boots and outer "O" ring seal on front dielectric to connector body.
- Unique "multi-contact" band design on pin contacts provides reliable electrical engagement and is field serviceable and replaceable without removing connector from train.

**CRA-Series**  
Receptacle with male contacts



Locking tab holds cover open to allow easier plug connection & removal

**CRA-Series**  
Receptacle with optional Locking Cover



### Optional Accessories

Part Number	Description
CRA-H-2L-XX	Replacement cover kit Improved cover with latch
CRA-H-2-XX	Standard replacement cover kit
CPA-27-V85	Blue flag plug with locomotive lockout protection

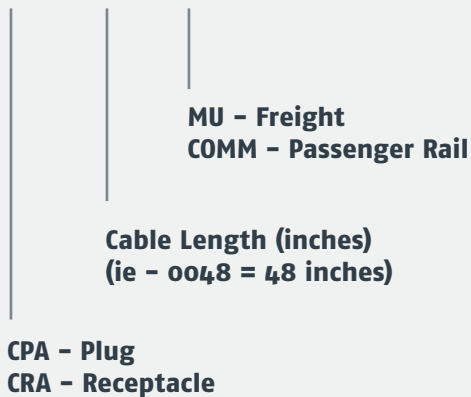
**CRA-27-MU-CL** - MU receptacle assembly  
**CRA-27-AMTK-CL** - COMM receptacle assembly

## 27 Point Series – Control & Communication

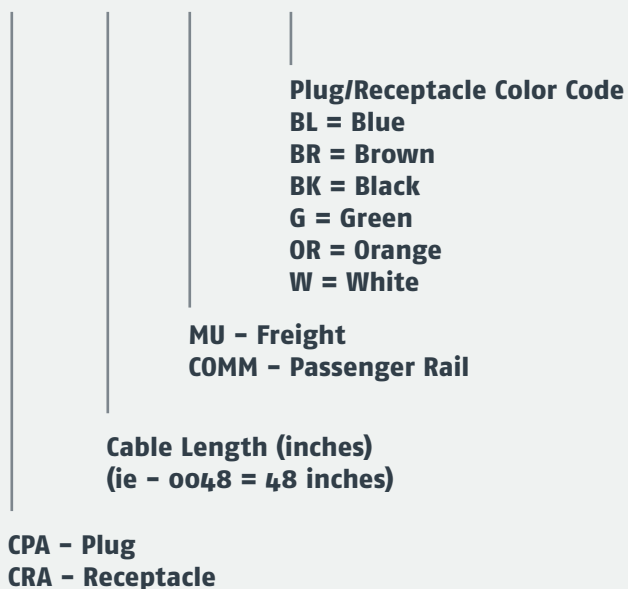
Winchester Interconnect provides custom cable assemblies for COMM or MU configuration at any length requirement. We offer optional accessories and contact kits so you can order exactly what you need for an existing part. Please consult the factory for questions or if you need a customized 27 Point Series.

### Nomenclature

CPA-27XXX-MU



CPA-27XXX-COMM-XX



### Part Number Examples

#### **CRA-2767-COMM**

27 point trainline communication receptacle assembly, 67 inch cable length.

#### **CRA-2790**

27 point trainline locomotive control receptacle assembly, 90 inch cable length.

#### **CRA-271200-MU-BL**

27 point trainline locomotive control receptacle assembly, 1200 inch cable length, blue housing and cover.

#### **CRA-2767-COMM**

27 point trainline communication receptacle assembly, 67 inch cable length.

#### **CPA-2767-COMM**

27 point trainline communication jumper assembly, 67 inch cable length.

#### **CPA-2790-MU**

27 point trainline locomotive control jumper assembly, 90 inch cable length.

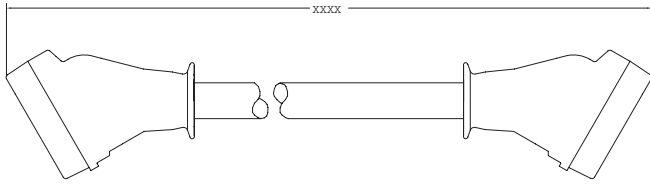
#### **CPA-271200-MU-BL**

27 point trainline locomotive control jumper assembly, 1200 inch cable length, blue housing and cover.

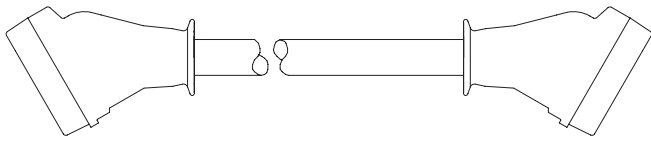
#### **CPA-2767-COMM**

27 point trainline communication jumper assembly, 67 inch cable length.

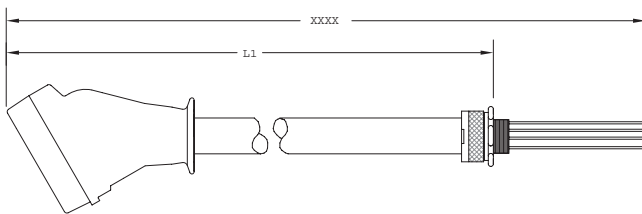
## CPA Series Jumper Assembly – Plug assembly with female contacts



CPA-27XX-AMTK Communications Jumper Assembly

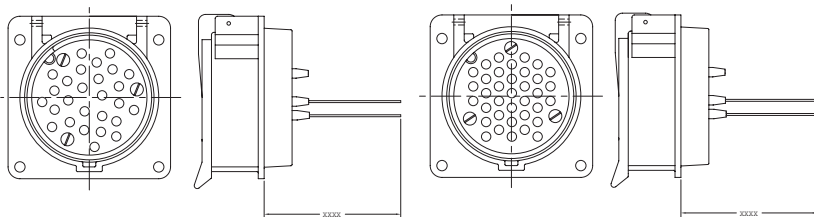


CPA-27XX-MU Locomotive Control Jumper Assembly



CPA-27XX-VXX Single ended jumper fixed

### Receptacles with Male Contacts



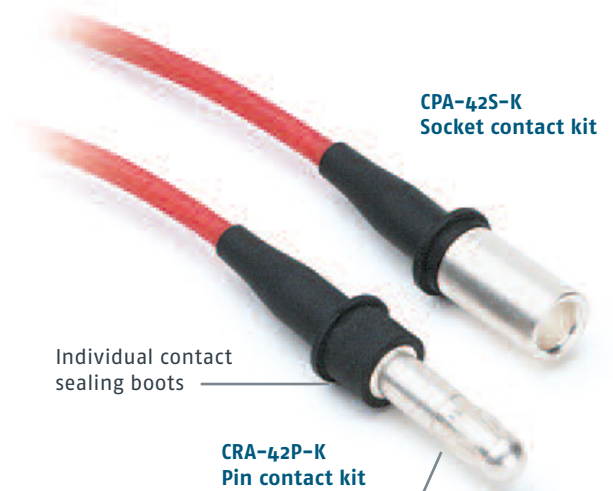
CRA-27 AMTK Receptacle

CRA-27 MU Multiple-Unit Receptacle

**Note:** XXXX denotes customer specified length in inches.  
Ex: CRA-2760-MU = 60" in length

## Specifications

Operating temperature	-40°F to 140°F (-40°C to 60°C)
Electrical rating	30 amps 600V
Dielectric strength	1000 volts RMS
Housing material	Aluminum alloy
Voltage	12 kV
Contact mating force:	54+/-10 lbs.



CPA-42S-K  
Socket contact kit

CRA-42P-K  
Pin contact kit

Field Replaceable  
Multi-Contact Band



Cadillac products are now under the Cadillac-Win™ brand from Winchester Interconnect.