

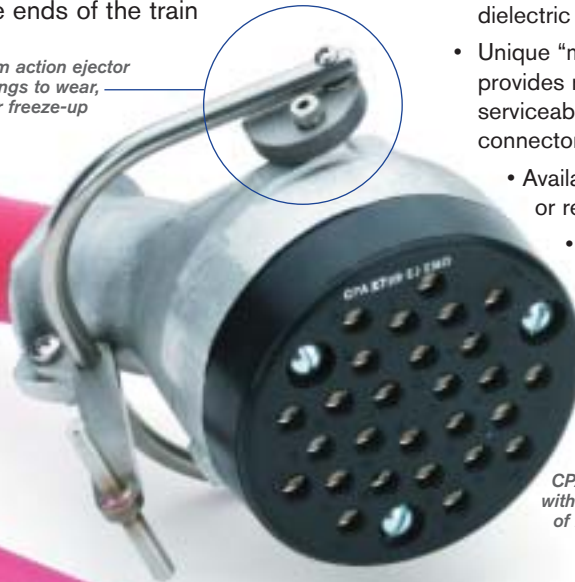
Cadillac 27 Point Trainline

Clements National's Cadillac brand of 27-point jumper assemblies and receptacles 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

Heavy-duty cam action ejector has no springs to wear, corrode or freeze-up



A full line of 27-point trainlines and accessories are available. Cadillac connectors have been designed for hostile environments and rugged use. Stay connected with Cadillac 27-point trainlines!

Design Benefits:

- Manufactured to conform to AAR S-512 and APTA RP-E-019-99 specifications.
- Qualified for use on all Amtrak equipment.
- 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.
 - Available receptacle cover kits for field repair or replacement
 - Wired receptacle assemblies are available for any length or configuration
 - Durable powder paint coating offers a multitude of color options and provides superior long-term protection of hardware.

CPA-EJ Series - Plug jumper with ejector lever to allow ease of removal from receptacles



CPA Series - Plug jumper with female contacts

MU

COMM



CRA-H-2L-XX
Replacement cover kit –
improved cover with latch



CRA-H-2-XX
Standard replacement cover kit –
standard cover

Note: XX=Specify color. BK=Black, BL=Blue, RD=Red,
OR=Orange, GR=Green, YL=Yellow

CPA-27-V85 - Blue flag plug
with locomotive lock-out
protection



Consult factory for optional
connector housing colors

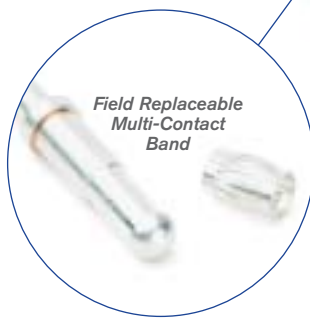


27 Point
Contacts

Individual contact
sealing boots

CPA-42S-K
Socket contact kit

CRA-42P-K
Pin contact kit



Field Replaceable
Multi-Contact
Band

No removal or
disassembly of
receptacle
is required



CRA Series
Receptacle with
male contacts

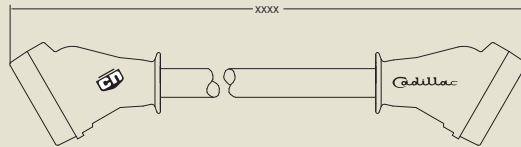


Locking tab holds
cover open to allow
easier plug connection
& removal

**CRA Series Receptacle with
optional Locking Cover**

- CRA-27-MU-CL -
MU receptacle assembly
 - CRA-27-AMTK-CL -
COMM receptacle assembly
- Consult factory for optional
connector housing colors

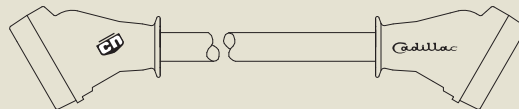
CPA Series Jumper Assembly – Plug assembly with female contacts



CPA-27XX-AMTK Communications Jumper Assembly



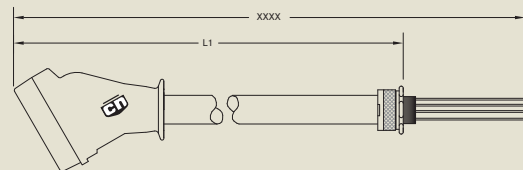
COMM



CPA-27XX-MU Locomotive Control Jumper Assembly

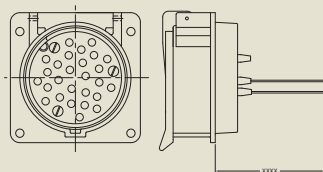


MU

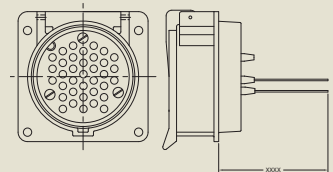


CPA-27XX-VXX Single ended jumper fixed

Receptacles with Male Contacts



CRA-27 AMTK Receptacle



CRA-27 MU Multiple-Unit Receptacle

27 Point Performance 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
- Contact mating force: 54+/-10 lbs.

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