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## **C934M-F (7/99)**

### **C2506/C2525**

### **Pre-Wired Interconnecting Cables**

#### **IMPORTANT SAFEGUARDS AND WARNINGS**

Prior to installation and use of this product, the following WARNINGS should be observed.

1. Installation and servicing should be done by qualified service and installation personnel only.
2. Installation should be done in accordance with all local and national electrical and mechanical codes using only approved materials.

The product and/or manual may bear the following marks:



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

#### **CAUTION:**

RISK OF ELECTRIC SHOCK.  
DO NOT OPEN.

Please thoroughly familiarize yourself with the information in this manual prior to installation and operation.

#### **DESCRIPTION**

The C2506 and C2525 are pre-wired cables used to connect Pelco's CX9000 Series Coaxitron® receiver with Pelco's SB1900, SB2500, SB2600, and SS2000 Series domes and Legacy® Series pan and tilts in indoor applications only. The C2506E and C2525E are used with CX9000 Series receivers and Legacy® Series pan and tilts in outdoor applications.

#### **Models**

C2506	Indoor, 6-foot (1.8 m), pre-wired interconnecting cable (UL)
C2506E	Same as C2506 but for outdoors
C2525	Indoor, 25-foot (7.6 m), pre-wired interconnecting cable (UL)
C2525E	Same as C2525 but for outdoors

#### **INSTALLATION**

1. Connect the male 37-pin CPC connector to the Coaxitron® receiver.
2. Connect the female 37-pin CPC connector to the dome or pan and tilt unit.
3. Use the controller to perform the following functions (if applicable) and verify each operates correctly:
  - Pan left
  - Pan right
  - Tilt down
  - Tilt up
  - Zoom wide
  - Zoom tele
  - Iris open
  - Iris closed
  - Focus near
  - Focus far
  - Preset operation
  - Camera power
  - Enclosure power
  - Camera sync

Installation is complete when all the above functions operate correctly. If they do not, refer to the *Troubleshooting* section.

#### **TROUBLESHOOTING**

1. If any of the functions do not operate correctly, check the cable wiring (refer to Figure 1).

If the pan and tilt functions operate backwards (for example, "tilt up" actually tilts down and "pan right" actually pans left), pins 3 and 7 for pan and pins 5 and 6 for tilt are reversed. You can correct the problem in the field with a CPC pin/socket extracting tool by exchanging the reversed function. If you lack the necessary tool, contact Pelco for a return authorization number to exchange the cable.

2. If the connections are loose, tighten the lock ring on the CPC connectors.
3. Check the Coaxitron® receiver to determine if it is operating correctly.

## WIRING DIAGRAM

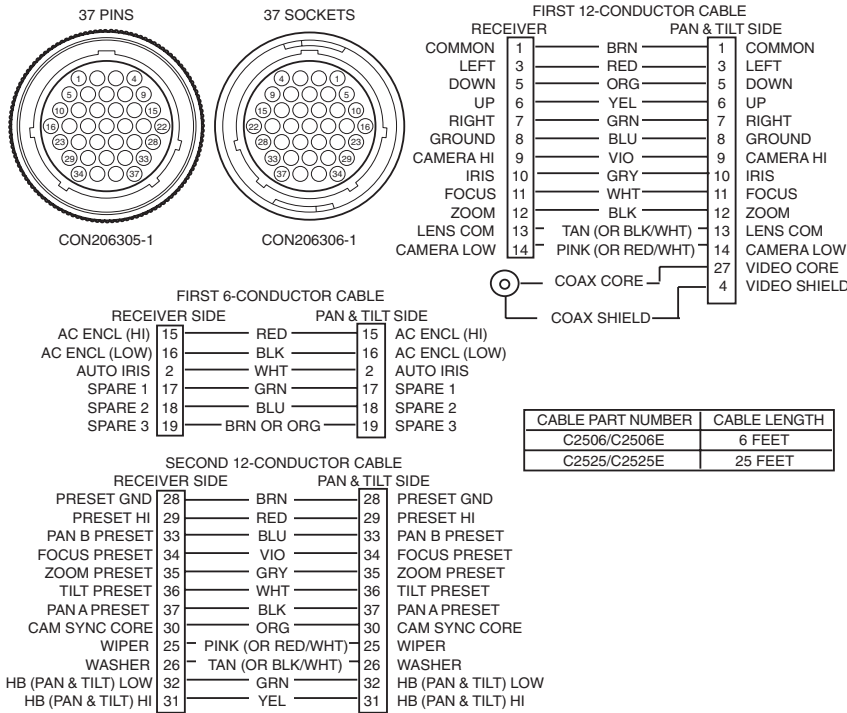


Figure 1. Wiring Diagram

## SPECIFICATIONS

### MECHANICAL

#### Connectors

Receiver side: CPC, 37 pins  
Pan/tilt side: CPC, 37 sockets

### ELECTRICAL

#### Cable

2 lengths: 12 conductors with shield, 20 AWG  
1 length: RG59/U  
1 length: 6 conductors, 20 AWG

### GENERAL

#### Dimensions

C2506/C2506E: 6 ft (1.8 m) long  
C2525/C2525E: 25 ft (7.6 m) long

#### Maximum Wire

Temperature: 140°F (60°C)

*(Design and product specifications subject to change without notice.)*

## PRODUCT WARRANTY AND RETURN INFORMATION

### WARRANTY

Pelco will repair or replace, without charge, any merchandise proved defective in material or workmanship **for a period of one year** after the date of shipment.

Exceptions to this warranty are as noted below:

- Five years on FT/FR8000 Series fiber optic products.
- Three years on Genex® Series products (multiplexers, server, and keyboard).
- Three years on Camclosure® and fixed camera models, except the CC3701H-2, CC3701H-2X, CC3751H-2, CC3651H-2X, MC3651H-2, and MC3651H-2X camera models, which have a five-year warranty.
- Two years on standard motorized or fixed focal length lenses.
- Two years on Legacy®, CM6700/CM6800/CM9700 Series matrix, and DF5/DF8 Series fixed dome products.
- Two years on Spectra®, Esprit®, ExSite®, and PS20 scanners, including when used in continuous motion applications.
- Two years on Esprit® and VW5700 Series window wiper (excluding wiper blades).
- Eighteen months on DX Series digital video recorders, NVR300 Series network video recorders, and Endura™ Series distributed network-based video products.
- One year (except video heads) on video cassette recorders (VCRs). Video heads will be covered for a period of six months.
- Six months on all pan and tilts, scanners or preset lenses used in continuous motion applications (that is, preset scan, tour and auto scan modes).

Pelco will warrant all replacement parts and repairs for 90 days from the date of Pelco shipment. All goods requiring warranty repair shall be sent freight prepaid to Pelco, Clovis, California. Repairs made necessary by reason of misuse, alteration, normal wear, or accident are not covered under this warranty.

Pelco assumes no risk and shall be subject to no liability for damages or loss resulting from the specific use or application made of the Products. Pelco's liability for any claim, whether based on breach of contract, negligence, infringement of any rights of any party or product liability, relating to the Products shall not exceed the price paid by the Dealer to Pelco for such Products. In no event will Pelco be liable for any special, incidental or consequential damages (including loss of use, loss of profit and claims of third parties) however caused, whether by the negligence of Pelco or otherwise.

The above warranty provides the Dealer with specific legal rights. The Dealer may also have additional rights, which are subject to variation from state to state.

If a warranty repair is required, the Dealer must contact Pelco at (800) 289-9100 or (559) 292-1981 to obtain a Repair Authorization number (RA), and provide the following information:

- Model and serial number
- Date of shipment, P.O. number, Sales Order number, or Pelco invoice number
- Details of the defect or problem

If there is a dispute regarding the warranty of a product which does not fall under the warranty conditions stated above, please include a written explanation with the product when returned.

Method of return shipment shall be the same or equal to the method by which the item was received by Pelco.

### RETURNS

In order to expedite parts returned to the factory for repair or credit, please call the factory at (800) 289-9100 or (559) 292-1981 to obtain an authorization number (CA number if returned for credit, and RA number if returned for repair).

All merchandise returned for credit may be subject to a 20% restocking and refurbishing charge.

Goods returned for repair or credit should be clearly identified with the assigned CA or RA number and freight should be prepaid. Ship to the appropriate address below.

*If you are located within the continental U.S., Alaska, Hawaii or Puerto Rico, send goods to:*

Service Department  
Pelco  
3500 Pelco Way  
Clovis, CA 93612-5699

*If you are located outside the continental U.S., Alaska, Hawaii or Puerto Rico and are instructed to return goods to the USA, you may do one of the following:*

If the goods are to be sent by a COURIER SERVICE, send the goods to:

Pelco  
3500 Pelco Way  
Clovis, CA 93612-5699 USA

If the goods are to be sent by a FREIGHT FORWARDER, send the goods to:

Pelco c/o Expeditors  
473 Eccles Avenue  
South San Francisco, CA 94080 USA  
Phone: 650-737-1700  
Fax: 650-737-0933

## REVISION HISTORY

### Manual # Date Comments

C934M-F 7/99 Revised Figure 1, added certifications, condensed instructions, and reformatted the manual.