

**21-033425-331 (PIN)****21-033425-341 (SOCKET)**

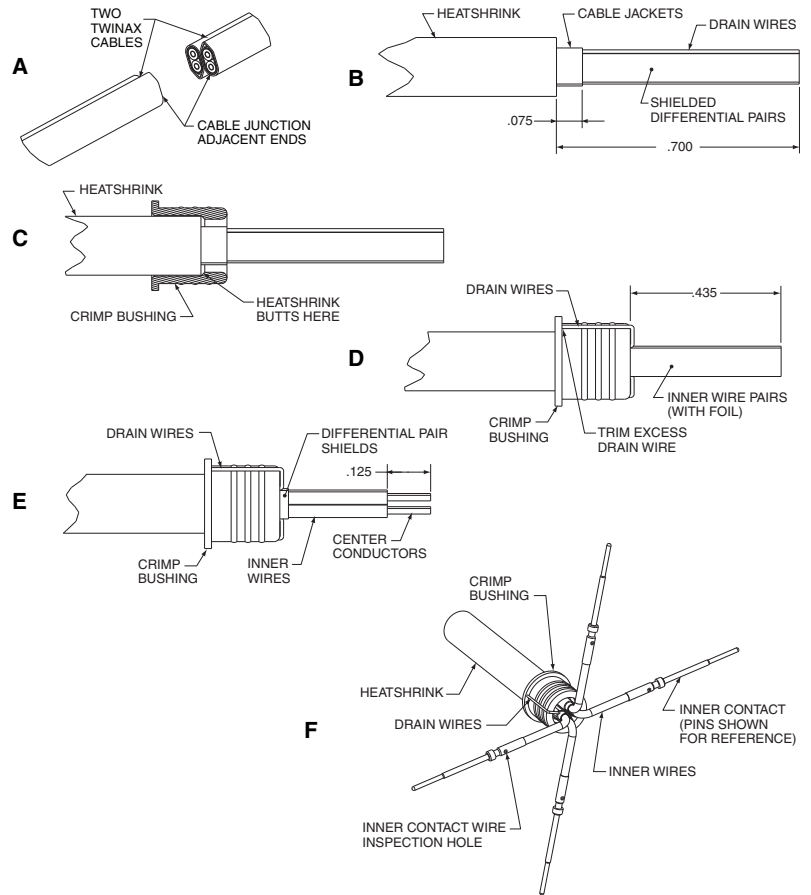
Contact, Pin and Socket, Quadrax, Split Pair,  
Type Front Release Special, Size 8 Installation Instructions

See table on reverse side for recommended cable, tool selector settings, crimping tool, positioner and insertion/removal information.

- A** 1. Cut two cables for assembly of quadrax contacts.  
Note: Contact assemblies of opposite gender should be assembled at cable junction adjacent ends, to have inner wire conductors in correct orientation during contact assembly. Crossing of inner wires from their natural lie position within the contact assembly is not permissible.
- B** 1. Rubber end first, slide piggyback grommet seal back over both cables (not illustrated).
2. Slide heatshrink onto cables and shrink in place at indicated position. Care must be taken to ensure lie of inner conductors match desired wiring. (See suggested wiring table and views at end of instructions).
3. Strip cable jacket to expose cable shields and drain wires as illustrated. Ends must be cut cleanly and at right angles to the axial plane of the cable. Cable must not be deformed while making cuts.
- C** 1. Slide crimp bushing, large diameter end first, over cables until heatshrink butts inside shoulder of crimp bushing.
- D** 1. Flair cable drain wires over crimp bushing as illustrated. Trim excess wire.
2. Cut inner wires (with foils in place) to dimension shown. All wires must be cut to equal length. It may be helpful to cut one wire pair to length. Then, cut remaining wire pair to equal length as the first wire pair.
- E** 1. Strip individual differential pair foil shields as close to flaired cable braid as possible.
2. Strip inner wires to expose center conductors as illustrated. All wires must be stripped to equal length.
- F** 1. Carefully splay inner wires perpendicular to the axis of the cable as illustrated.
2. Assemble inner contact over cable center conductor until fully seated against inner wire insulation. Observe center conductor through the contact's wire inspection hole, to make certain conductor is properly positioned.
3. Crimp inner contact to center conductor using crimp tools listed in table on back. Repeat steps F2 and F3 until all inner contacts are crimped.

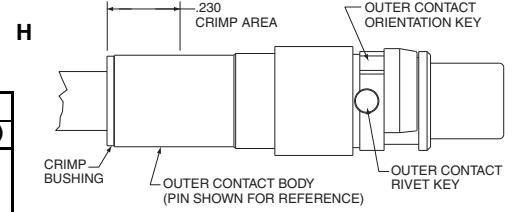
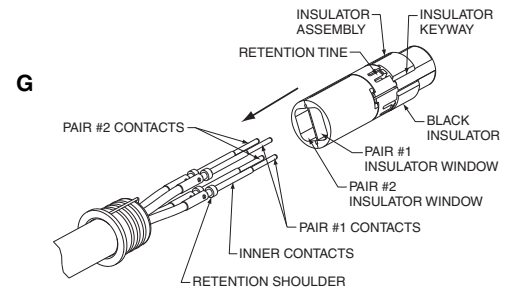
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**L-2119-DK**  
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- G 1. Observe the black insulator's keyway. When the inner pin assembly is held in the vertical position (with inner pin contacts on top), the inner pin contact with the black insulator keyway to its right will be positioned adjacent to and in alignment with the outer contact's orientation key (for inner socket contacts, the black insulator keyway should be positioned to the left of the inner socket desired adjacent to and in alignment with the outer contact's orientation key).
2. With inner contacts approximately aligned with the front insulator contact cavities (pair #1 inner contacts aligned with pair #1 insulator window, pair #2 inner contacts aligned with pair #2 insulator window), assemble front insulator over the inner contacts as shown, being careful to guide the inner contacts through the insulator cavities. The insulator must butt the crimp ferrule, and inner contact retention shoulders must click in front of the retention tines (Inner contacts will lock in place).
- H 1. Align black insulator keyway with the outer contact's rivet key. Slide the inner contact assembly inside the outer contact body until fully seated. Observe the mating end of the assembly inside the outer contact body until fully seated. Observe the mating end of the assembly to make certain inner contacts #1 & #3 are in vertical alignment with the outer contact's orientation key.
2. Crimp outer contact body in the area indicated using crimp tools listed in table below..



Amphenol Part Number	Description	Quadrax Cable Recommended	Inner Crimp Tools		Outer Crimp Tools	
			Tool (Setting)	Positioner	Tool	Die Set (Location)
21-033425-331	Quadrax Pin (100 Ohm)	2X Gore DXSN2285	M22520/2-01 (5)	Daniels K1777	M22520/5-01	M22520/5-45 (A) or Daniels Y1999 (A)
21-033425-341	Quadrax Socket (100 Ohm)					

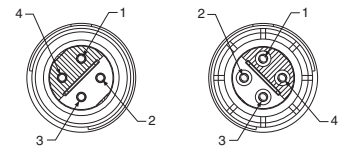
**Contact Insertion into Connector**

Contacts are inserted by hand. Insert the contact assembly into the proper hole from the rear of the connector. Contact must be aligned with hole and not inserted at an angle. The contact's orientation key must be in vertical alignment with the connector's cavity keyway (holding contact key and cavity key/keyway at "12 o'clock" orientation position is recommended). Push forward until contact is felt to snap into position within the connector. Contact may need to be slightly rotated to properly align contact orientation key with connector keyway. Gently tug on cable to assure retention. Slide piggyback grommet seal into position inside the connector over the crimped end of the contact.

**Contact Removal from Connector**

Remove piggyback grommet seal from the connector. Position removal tool around contact mating face and slide tool toward connector until tool tip enters connector cavity and comes to a positive stop on the contact. Grip cable end and contact rear and gently remove from rear of connector.

**SUGGESTED INNER CONTACT NUMBERING (MATING END SHOWN)**



Amphenol Suggested Wiring		
Differential Pair	Inner ID	Wire Color
1	1	White
	4	White
2	2	White
	3	White

**Amphenol**

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