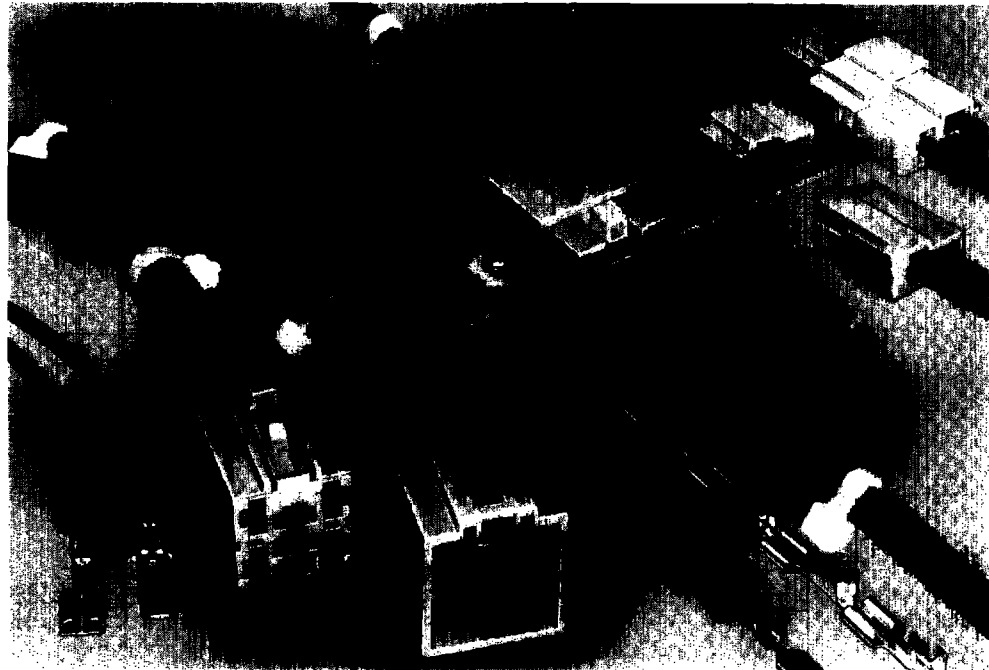


**METRIC**

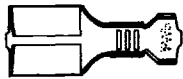
## AMP 250 Series Housing Lance Connectors Wire-to-Wire Connectors

### Product Facts

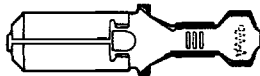
- Tab and receptacle contacts provide positive electrical contact
- Housing lance design makes connector assembling operations easier and faster
- Standard and Interlock Types, each available in two styles, one for panel-mounting and the other for free-hanging applications
- Both types use the same tab and receptacle contacts
- Contacts accept AWG 22-12 (0.3-3.37 mm<sup>2</sup>) wires with insulation diameters of 1.5-3.8 [.06-.15]



### Receptacle and Tab Contacts



Receptacle (for Plug)



Tab (for Cap)

Wire Range AWG	Wire Range mm <sup>2</sup>	Wire Ins. Diameter	Finish	Part Numbers (Strip)	
				Receptacle	Tab
22-20	0.3-0.5	1.5-2.2 [.06-.087]	—	170384-1	170349-1
				2-170384-1 <sup>1</sup>	
			Tin	170384-2	170349-2*
				3-170384-2 <sup>1</sup>	
20-14	0.5-2.27	2.2-3.4 [.087-.134]	—	170032-2	170340-1
				Tin	170032-5
			—	170258-1	170341-1
				2-170258-1	
14-12	2.0-3.37	2.9-3.8 [.114-.15]	—	3-170258-1 <sup>1</sup>	—
				Tin	
			—	4-170258-2 <sup>2</sup>	170341-3*
				Tin	

<sup>1</sup> Reverse Reel  
<sup>2</sup> Inverted Reel  
\* Pre-Tin

### Standard Type Cap Housings, Panel Mount



Applicable Contact Part Nos.  
For Cap: 170349  
170340  
170341

Note: 3 Pos. Housing Dim. (Typ.)—22.9 [.902] L x 28.5 [1.122] W x 16.4 [.646] H

No. of Pos.	Cap Housing			Mating Plug Housing	No. of Pos.	Cap Housing			Mating Plug Housing
	Part No.	Color				Part No.	Color		
2	172383-1	Natural	172130-□	3	172384-1	Natural	172132-□		
	172383-2	Black			172384-2	Black			
	172383-3	Brown			172384-3	Brown			
	172383-4	Green			172384-4	Green			
	172383-5	Blue			172384-5	Blue			
	172383-6	Gray			172384-6	Gray			
	172383-7	Yellow			172384-7	Yellow			
	172383-8	Orange			172384-8	Orange			
	172383-9	Red							
	1-172383-0	Pink							

Note: Numbers in □ varies by Plug Housing color (refer to Cap Housing)

Blade-Type Connectors  
AMP 250 Series Housing Lance Connectors

**METRIC**

### Standard Type (Continued) Cap and Plug Housings, Free-Hanging



Cap Housing



Plug Housing

**Applicable Contact Part Nos.**

For Cap: 170349  
170340  
170341

For Plug: 170384  
170032  
170258

Note: 8 Pos. Housing Dim. (Typ.)—Cap, 40.5 [1.594] L x 28.5 [1.122] W x 18.6 [.732] H;  
Plug, 37.0 [1.457] L x 25.0 [.984] W x 18.6 [.732] H

No. of Pos.	Part Numbers	
	Cap Housing	Plug Housing
1	172127-□	172128-□
2	172129-□	172130-□
3	172131-□	172132-□
4	172133-□	172134-□
6	171897-□	171898-□
8	172135-□	172136-□
10	172137-□	172138-□

Note: Number in □ varies by color (refer to table at right)

Suffix No. (□)	Housing Color
-1	Natural
-2	Black
-3	Brown
-4	Green
-5	Blue
-6	Gray
-7	Yellow
-8	Orange
-9	Red

### Interlock Type Cap Housings, Panel Mount

**Applicable Contact Part Nos.**

For Cap: 170349  
170340  
170341



Note: 3 Pos. Housing Dim. (Typ.)—44.6 [1.756] L x 33.0 [1.299] W x 15.4 [.606] H

No. of Pos.	Cap Housing		Mating Plug Housing
	Part No.	Color	
3	172387-1	Natural	172220-□
	172387-2	Black	
	172387-3	Brown	
	172387-4	Green	
	172387-5	Blue	
	172387-6	Gray	
	172387-7	Yellow	

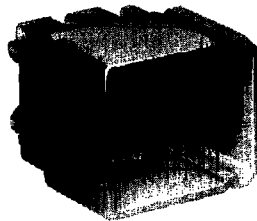
Note: Number in □ varies by color (refer to Cap Housing)

### Cap and Plug Housings, Free-Hanging

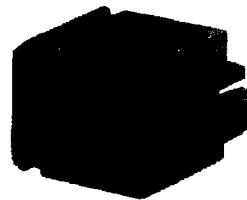
**Applicable Contact Part Nos.**

For Cap: 170349  
170340  
170341

For Plug: 170384  
170032  
170258



Cap Housing



Plug Housing

Note: 9 Pos. Housing Dim. (Typ.)—Cap, 25.2 [.992] L x 33.0 [1.299] W x 32.2 [1.268] H;  
Plug, 21.4 [.843] L x 25.0 [.984] W x 34.5 [1.358] H

No. of Pos.	Part Numbers	
	Cap Housing	Plug Housing
1	172215-□	172216-□
2	172217-□	172218-□
3	172219-□	172220-□
4	172221-□	172222-□
5	172223-□	172224-□
7	172225-□	172226-□
9	172227-□	172228-□

Note: Number in □ varies by color (refer to table at right)

Suffix No. (□)	Housing Color
-1	Natural
-2	Black
-3	Brown
-4	Green
-5	Blue
-6	Gray
-7	Yellow

**METRIC**

**Standard Type  
Cap Housing with Double  
Lock Plate,  
Panel Mount**

Applicable Contact Part Nos.  
For Cap: 170349  
170340  
170341



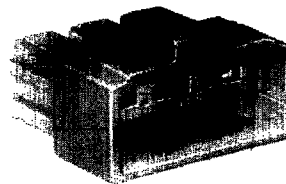
Note: 3 Pos. Housing Dim. (Typ.)—22.9 [ .902 ] L x 28.5 [ 1.122 ] W x 16.4 [ .646 ] H

No. of Pos.	Cap Housing		Mating Plug Housing
	Part Number	Color	
2	176992-1	Natural	172130-□
3	178001-1	Natural	172132-□

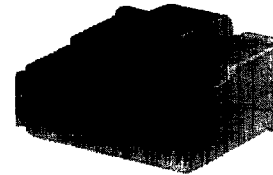
Note: Numbers in □ varies by color: -1 (natural), -2 (black), -3 (brown), -4 (green), -5 (blue), -6 (gray), -7 (yellow), -8 (orange), and -9 (red)

**Cap and Plug Housing  
with Double Lock Plate,  
Free-Hanging**

Applicable Contact Part Nos.  
For Cap: 170349  
170340  
170341  
For Plug: 170384  
170258  
170032



Cap Housing



Plug Housing

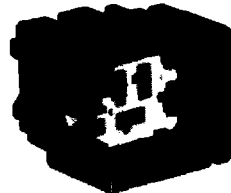
Note: 6 Pos. Housing Dim. (Typ.)—Cap, 31.5 [ 1.240 ] L x 28.5 [ 1.122 ] W x 18.6 [ .732 ] H; Plug, 28.0 [ 1.102 ] L x 25.0 [ .984 ] W x 18.6 [ .732 ] H

No. of Pos.	Color	Part Numbers	
		Cap Housing	Plug Housing
1	Natural	—	176986-1
4	Natural	178007-1	178004-1
6	Natural	178025-1	178022-1

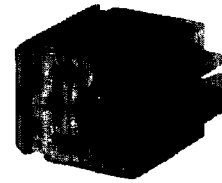
Also Mates with—Standard Type Cap and Plug Housings, see page 6002

**Interlock Type  
Cap and Plug Housing  
with Double Lock Plate,  
Free-Hanging**

Applicable Contact Part Nos.  
For Cap: 170349  
170340  
170341  
For Plug: 170384  
170032  
170258



Cap Housing



Plug Housing

Note: 9 Pos. Housing Dim. (Typ.)—Cap, 25.2 [ .992 ] L x 33.0 [ 1.299 ] W x 32.2 [ 1.268 ] H; Plug, 21.4 [ .843 ] L x 25.0 [ .984 ] W x 34.5 [ 1.358 ] H

No. of Pos.	Color	Part Numbers	
		Cap Housing	Plug Housing
1	Natural	—	176989-1
3	Natural	176998-1	176995-1
4	Natural	178013-1	178010-1
5	Natural	178019-1	178016-1
7	Natural	—	178028-1
9	Natural	178034-1	178031-1

Also Mates with—Interlock Type Cap and Plug Housings, see page 6002