

## FEATURES AND SPECIFICATIONS

### Features and Benefits

- Sizes 2 to 24 circuits
- Tested for insulation resistance
- Tin topcoat provides easy PC board direct termination
- Bulk cable available on 100, 300, and 500' reels
- To order notched bulk cable, jumpers cut to length or complete cable assemblies, contact Molex

### Reference Information

UL File No.: E61522  
 UL Style No.: 2651  
 CSA File No.: LL61126  
 Use With: [7674](#) and [7675](#) IDT connectors  
 Designed In: Inches

### Electrical

Voltage: 300V  
 See Electrical Specifications Table  
 on Page H-29 for More Information

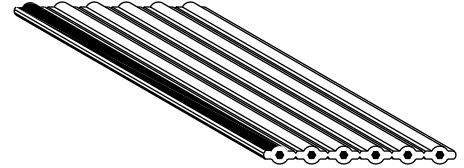
### Physical

Flammability: VW-1  
 Operating Temperature: -20 to +105°C  
 Insulation: Gray PVC  
 Edge Mark: Black

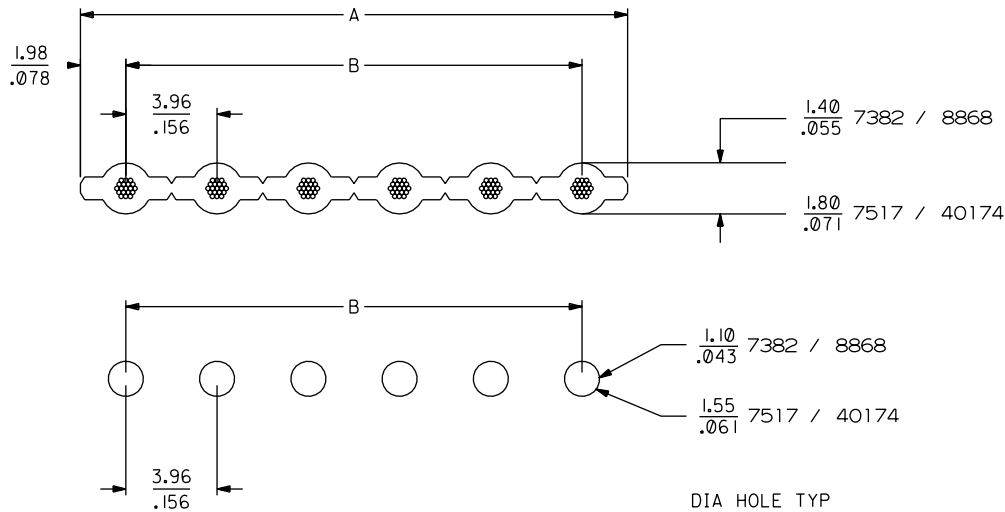


## 3.96mm (.156") Pitch Round Conductor Flat Cable

**7382** 22 AWG (7 x 30) Stranded, Tinned  
**7517** 18 AWG (19 x 30) Stranded, Tinned  
**40174** 18 AWG (7 x 26) Stranded, Tinned  
**8868** 22 AWG (7 x 30) Stranded, Topcoat



## CATALOG DRAWING (FOR REFERENCE ONLY)



RECOMMENDED PCB LAYOUT

## ORDERING INFORMATION AND DIMENSIONS

| For Cable Series No. | Order No.    |              |               |
|----------------------|--------------|--------------|---------------|
|                      | 100' Reel    | 300' Reel    | 500' Reel     |
| 7382-XX              | • 82-22-58XX | • 82-22-63XX | • 82-22-73XX  |
| 7517-XX              | • 82-18-5XX1 | • 82-18-5XX2 | • 82-18-5XX3* |
| 40174-XX             | • 82-18-60XX | • 82-18-61XX | • 82-18-62XX* |
| 8868-XX              | • 82-22-59XX | • 82-22-67XX | • 82-22-68XX  |

Replace "XX" with number of circuits, 02-24

| Circuits | Dimension     |               |
|----------|---------------|---------------|
|          | A             | B             |
| 2        | 7.93 (.312)   | 3.96 (.156)   |
| 3        | 11.89 (.468)  | 7.93 (.312)   |
| 4        | 15.85 (.624)  | 11.89 (.468)  |
| 5        | 19.81 (.780)  | 15.85 (.624)  |
| 6        | 23.77 (.936)  | 19.81 (.780)  |
| 7        | 27.74 (1.092) | 23.77 (.936)  |
| 8        | 31.70 (1.248) | 27.74 (1.092) |
| 9        | 35.66 (1.404) | 31.70 (1.248) |

| Circuits | Dimension     |               |
|----------|---------------|---------------|
|          | A             | B             |
| 10       | 39.62 (1.560) | 35.66 (1.404) |
| 11       | 43.59 (1.716) | 39.62 (1.560) |
| 12       | 47.55 (1.872) | 43.59 (1.716) |
| 13       | 51.51 (2.028) | 47.55 (1.872) |
| 14       | 55.47 (2.184) | 51.51 (2.028) |
| 15       | 59.44 (2.340) | 55.47 (2.184) |
| 16       | 63.40 (2.496) | 59.44 (2.340) |
| 17       | 67.36 (2.652) | 63.40 (2.496) |
| 18       | 71.32 (2.808) | 67.36 (2.652) |
| 19       | 75.29 (2.964) | 71.32 (2.808) |
| 20       | 79.25 (3.120) | 75.29 (2.964) |
| 21       | 83.21 (3.276) | 79.25 (3.120) |
| 22       | 87.17 (3.432) | 83.21 (3.276) |
| 23       | 91.14 (3.588) | 87.17 (3.432) |
| 24       | 95.10 (3.744) | 91.14 (3.588) |

• US Standard Product, available through Molex franchised distributors

\* Contact Molex for 500' reels